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THINK AHEAD.

Film Capacitors

2022-2023Y Catalogue

Provide Film Capacitors To The World With Excellent Performance

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AIHUA GROUP

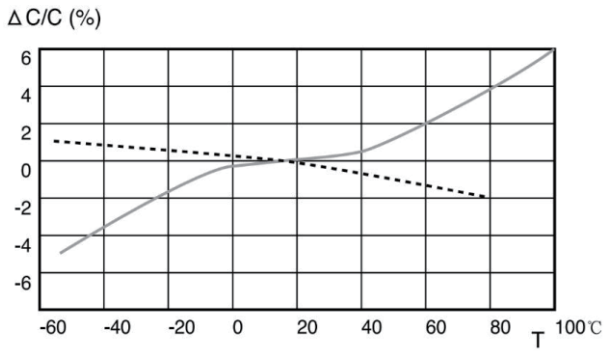
Table of Content

*THB: Temperature Humidity Bias

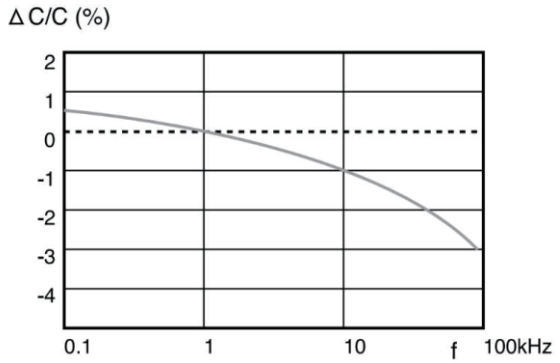
Typical dielectric features

Compared to polyester, the Polypropylene as a dielectric has the following inherent properties:

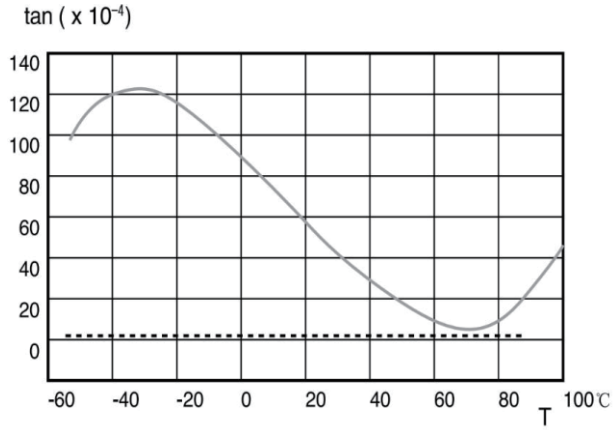
- □ Very low dissipation factor
- □ High insulation resistance
- □ High thermal stability
- □ Excellent self-healing features



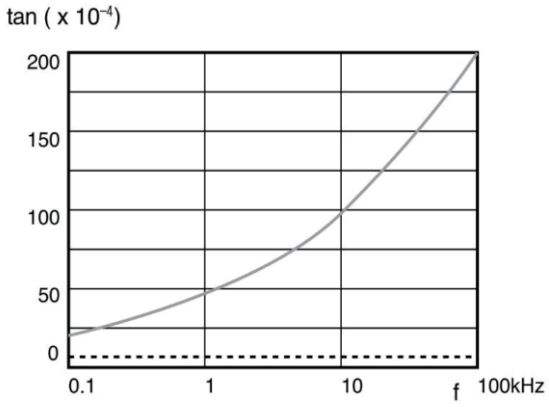
Capacitance Vs. Temperature at 1kHz



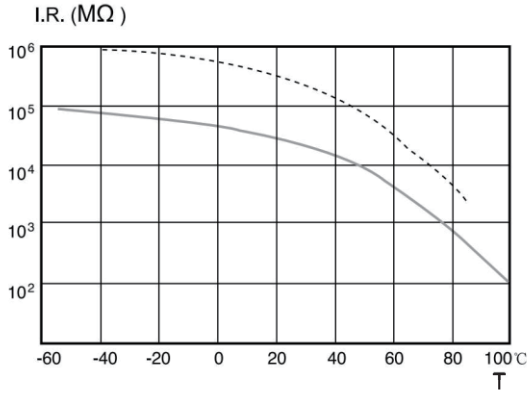
Capacitance Vs. Frequency (Room temperature)



Dissipation Vs. Temperature at 1kHz



Dissipation Vs. Frequency (Room temperature)



I.R. Vs. Temperature

-------- Polypropylene Film

——— Polyester Film

The reference standard for our capacitors are shown in below table, please find the corresponding specification.

Name No.	Standards
IEC 60384-1	Part 1: Generic specification
IEC 60384-2	Part 2: Fixed metallized polyethylene-terephthalate film dielectric d.c. capacitors
IEC 60384-13	Part 13: Sectional specification: Fixed capacitors: Fixed polypropylene film dielectric metal foil d.c. capacitors
IEC 60384-14	Part 14: Sectional specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains
IEC 60384-16	Part 16: Sectional specification: Fixed metallized polypropylene film dielectric d.c. capacitors
IEC 60384-17	Part 17: Sectional specification: Fixed metallized polypropylene film dielectric a.c. and pulse capacitors
IEC 61071	Capacitors for power electronics
IEC 60831-1	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000V Part 1: General - performance, testing and rating - safety requirements - Guide for installation and operation
IEC 60831-2	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000V Part 2: Aging test, self-healing test and destruction test
IEC 61881	Railway applications - Rolling stock equipment - Capacitors for power electronics
IEC 61373	Railway applications - Rolling stock equipment - Shock and Vibration tests
AEC-Q200	Stress test qualification for passive components
IEC 60721-3-1	Classification of environmental conditions - Part 3 Classification of groups of environmental parameters and their severities- Section 1 Storage
IEC 60721-3-2	Classification of environmental conditions - Part 3 Classification of groups of environmental parameters and their severities- Section 2 Transportation and handling
IEC 60721-3-3	Classification of environmental conditions - Part 3 Classification of groups of environmental parameters and their severities- Section 3 Stationary use at weatherprotected locations

Rated Capacitance (C)
Designed capacitance of the capacitor at 20°C / 50 Hz to 120Hz

Capacitance Tolerance
Admitted capacitance deviation from the rated capacitance.

Rated Voltage Un
The maximum direct voltage or the maximum r.m.s. alternating voltage (50 Hz) or the peak value of a pulse voltage which may be continuously applied to a capacitor at any temperature between the lower category temperature and the rated temperature.

RMS Voltage (Urms)
Root mean square of the maximum permissible value of the sinusoidal AC voltage in continuous operation.

Ripple Voltage (Ur)
Peak to peak alternating component of the unidirectional voltage

Non-recurrent Surge Voltage (Us)
Surge voltage induced by a switching or any other disturbance of system which is allowed for a limited number of times and for durations shorter than the basic period.

Maximum Current (Imax)
Maximum rms current for continuous operation.

Maximum Peak Current (Ipeak)
Maximum permitted repetitive peak current that can occur during continuous operation. The value is following:
Ipeak = C * dv/dt.
C = Rated Capacitance
dv/dt = The rate of voltage rise, which means maximum permitted repetitive rate of voltage rise of operational voltage.

Maximum Surge Current (Is)
Peak non-repetitive current induced by a switching or any other disturbance of system which is allowed for a limited number of times and for durations shorter than the basic period.

Temperature Derated Voltage
The maximum voltage that may be continuously applied to a capacitor for any temperature between the rated temperature and the upper category temperature.

Operating Temperature Range
The operating temperature of the capacitor is defined as the ambient temperature + self-temperature raise + temperature rise due to thermal radiation from other heat sources.

Climatic Category
The climatic category which the capacitor belongs to is expressed in numbers (standard IEC 60068-1: For example 40/85/56).
40 = Lower Category Temperature -40 °C
85 = Upper category Temperature +85 °C
56 = the days relevant to the damp heat test 56days

Temperature Coefficient of Capacitance (α)
The change rate of capacitance with temperature measured over a specified range of temperature. It is normally expressed in parts per million per Celsius degree (10^{-6} /°C) and referred to 20°C

$$\alpha = \frac{C_i - C_0}{C_0 (T_i - T_0)}$$

C_I = Capacitance at the temperature T_I
C_0 = Capacitance at the temperature T_0 (20±2) °C

Series Resistance (Rs)
Effective ohmic resistance of the conductors of a capacitor under specified operating conditions. It depends on temperature and the approximate TCR is 0.004/°C.
$Rs(T_2) = [1+0.004 * (T_2 - T_1)] * Rs(T_1)$

Equivalent Series Resistance (ESR)
ESR is the ohmic part of an equivalent series circuit. Its value assumes all losses to be represented by a single resistance in series with the idealized capacitor. The ESR comprises the polarization losses of the dielectric material (Rpol), the losses caused by the resistance of the leads, termination and electrodes (Rs) and the insulation resistance (Ris)

$$ESR = \frac{\tan\delta}{\omega * C}$$

Dielectric Dissipation Factor (tan δ_d)
Constant dissipation factor of the dielectric material for all capacitors at their rated frequency. The typical loss factor of polypropylene film is $2*10^{-4}$.

Loss Factor of The Capacitor (tan δ)
The dissipation factor is ratio between reactive power of the impedance of the capacitor and effective power when capacitor is submitted to a sinusoidal voltage of specified frequency, it is that ratio between the equivalent series resistance and the capacitive reactance of a capacior.

Impedance (Z)
The impedance Z is the magnitude of the vectorial sum of ESR and the capacitive reactance XC in an equivalent series circuit under consideration of the series inductance L.

$$Z = \sqrt{ESR^2 + \left(\omega L + \frac{I}{\omega C}\right)^2}$$

The impedance is typically measured on capacitors (radial types) having 2 mm long leads.

Insulation Resistance (R_{is}) and Time Constant (τ)
The R_{is} is the ratio of an applied DC voltage to the resulting leakage current (flowing through the dielectric and over its body surface) after the initial charging current has ceased. The R_{is} is typically measured after one minute ± 5s at 20 °C and a relative humidity of 50 % ± 2 %.

$$R_{is} = \frac{U_{DC}}{I_{leak}} (\Omega)$$

The insulation resistance is determined by the property and the quality of the dielectric material and the capacitor's construction. The R_{is} decreases with increasing temperature. A high relative humidity may decrease the insulation resistance. R_{is} changes due to moisture are reversible. The R_{is} is shown as time constant (τ). It is the product of insulation resistance and capacitance and is expressed in seconds
$\tau = R_{is} * C$

Inductance (L)
The inductance of a capacitor depends upon the geometric design of the capacitor element and the length and the thickness of the contacting terminals. All the film capacitors have an extended metallized film or foil construction and exhibit thus a very low inductance. The inductance of radial leaded capacitor types are typically measured with 2 mm long lead wires. Typical values are less than 1.0 nH per mm of lead length.

Dielectric Power Loss (Pd)
Loss power induced by dielectric polarization or dielectric conductance. The value is following:
$Pd = U^2 \times \pi \times f_0 \times C \times \tan \delta_d$
for DC capacitor: U = Ur/2
for AC capacitor: $U = \sqrt{2}\ Urms$
for GTO snubber capacitors: U = Undc/ 2
f_0 : fundamental frequency
C: capacitance

Joule Power Loss (P_j)
Loss power induced by series resistance of the capacitor under rms current, the value is follwing:
$P_j = I^2rms \times Rs$

Capacitor Loss (Pt)
Active power dissipated in the capacitor, consist of dielectric loss and joule loss.
Pt = Pd + Pj

Resonance Frequency (f_r)
Lowest frequency at which the impedance of the capacitor becomes minimum. The value is following:

$$f_r = 1/(2\pi \times \sqrt{Ls \times Cn})$$

Maximum Operating Temperature (θ_{max})
The highest temperature of the case at which the capacitor may be operated.

Minimum Operating Temperature (θ_{min})
The lowest temperature of the case at which the capacitor may be energized.

Cooling-air Temperature (θ_{amb})
Temperature of the air measured at the hottest position of the capacitor, under steady -state conditions, midway between two units. If only one unit is involved, it is the temperature of surrounding air, measured 10 cm away and at 2/3 of the case height of the capacitor under steady- state conditions.

Contained Temperature Rise ($\triangle \theta_{case}$)
Difference between the temperature of the hottest point of the container and the temperature of the cooling air.

Thermal Resistance (R_{th})
The thermal resistance indicates by how many degrees the capacitor temperature at the hotspot rises above the ambient temperature per watt of the heat dissipation losses.

Hotspot Temperature (θ_{hs})
Temperature at the hottest spot inside the capacitor. the value is following:

$$\theta_{hs} = \theta_{amb} + P_t \times R_{th}$$

Failure rate (λ)
It indicates the failure probability of components in unit time and the value is the number of failure components in unit time compared to total number of components, the unit of λ is FIT (also expressed as Fit or fit) and 1 Fit = 1/（10^9hrs）
For example: 10 000 pcs of components work at given condition for 10000 hrs and 10 pcs of components failed, so λ =10/(10 000 x 10 000)=100 Fit

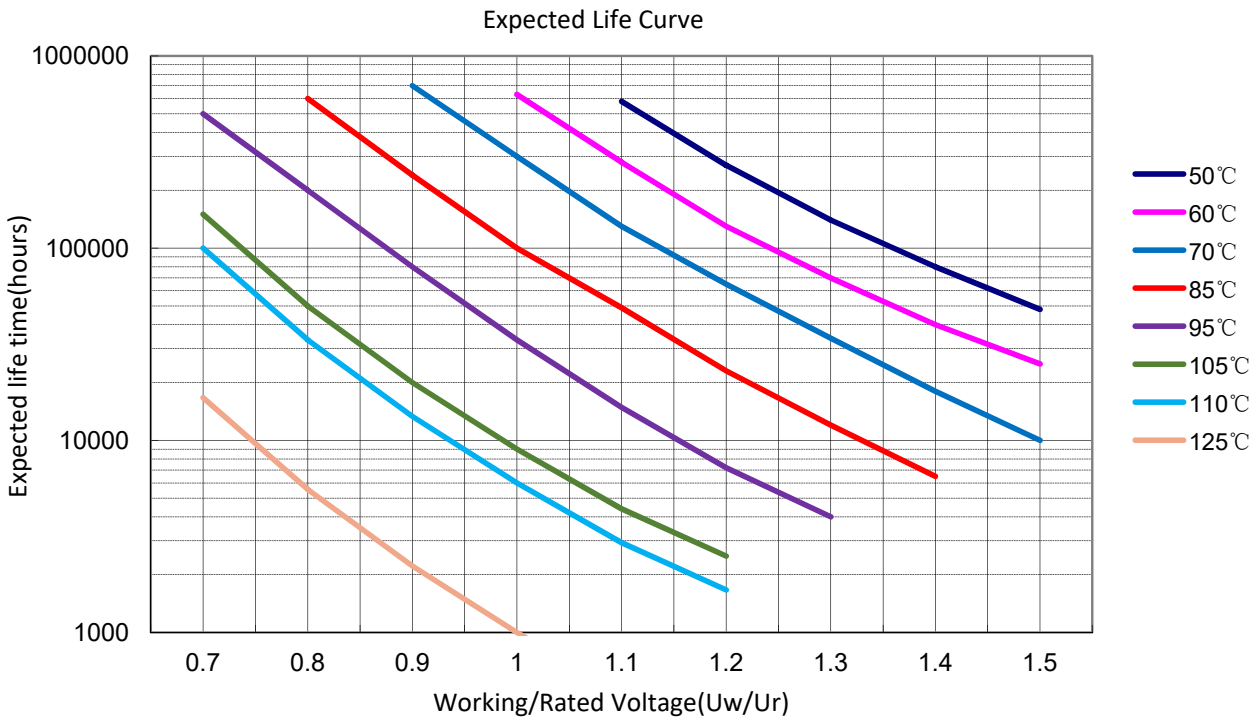
Self-Healing

Self-healing, also known as clearing is the removal of a defect caused by pinholes, film flaws or external voltage transients. The heat generated by the arcing during a breakdown, evaporates the extremely thin metallization of the film around the point of failure, thereby removing and isolating the short circuit conditions. On Segmented Film Technology Capacitors, the self-healing effect is more controlled. The film metallization is made by forming a pattern of segments, which are connected to each other by micro fuses. This limits the healing current and limits the self-healing effect to a well-defined section of the film.

Expected Lifetime of Capacitor

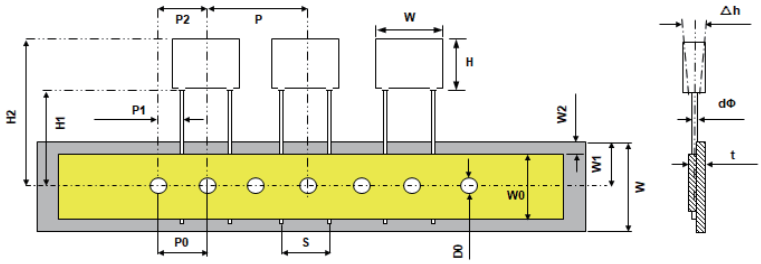
The expected life time of capacitor depend on the applied voltage and the hot spot temperature during the operation. For capacitors applied in different situation, the designed average service life is different.

In the capacitor industry, capacitors used in DC-Link circuits will have an expected lifetime of probable 100,000 Hrs at rated voltage and 70 ˚C hot spot temperature. Expected lifetime is a statistical value calculated on the basis of experience and on theoretical evaluations. The following diagrams show the correlation between expected life, operating voltage and hot spot temperature. The diagram should be considered only as a reference. Please contact our technical department if you have any further question.



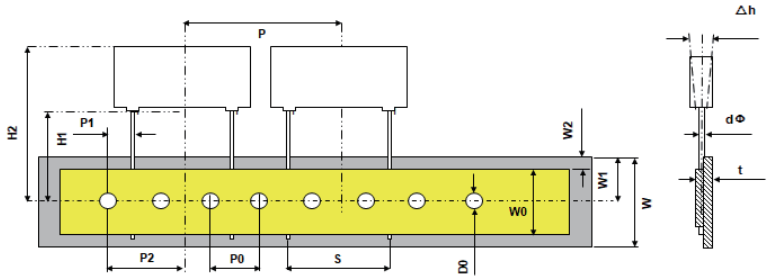
Taping Style: Straight leads

Lead spacing: 10 - 15mm



Quantity: 10pcs / line

Lead spacing: 22.5mm



Quantity: 6pcs / line

Taping Specification

Description	Symbol	Dimension (mm)				Tolerance
Lead Spacing	S	**10.0**	**12.5**	**15.0**	**22.5**	+0.8/-0.2
Taping Pitch	P	25.4	25.4	25.4	38.0	±1.0
Feed Hole Pitch	P0	12.7	12.7	12.7	12.7	±0.2
Centering of Lead Wire	P1	7.7	6.5	5.2	7.80	±0.7
Centering of Body	P2	12.7	12.7	12.7	19.1	±1.3
Carrier Tape Width	W	18.0	18.0	18.0	18.0	±0.5
Hold Down Tape Width	W0	9.5	9.5	9.5	9.5	minimum
Hole Position	W1	9.0	9.0	9.0	9.0	±0.5
Hold Down Tape Position	W2	3.0	3.0	3.0	3.0	maximum
Feed Hole Diameter	D0	4.0	4.0	4.0	4.0	±0.2
Height of Component From Tape Center	H1	20.0	20.0	20.0	20.0	±0.5
Top Edge of Component	H2	39.0	39.0	39.0	44.0	maximum
Lead Wire Diameter	d	0.6	0.8	0.8	0.8	±0.1
Component Alignment	△h	0.0	0.0	0.0	0.0	±2.0
Tape Thickness	t	0.7	0.7	0.7	0.7	±0.2

Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Overview

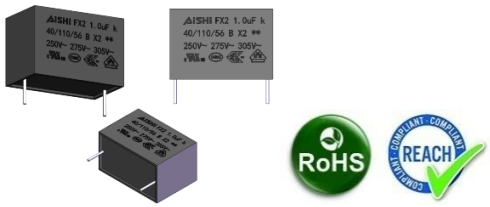
The FX2 series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0.

Applications

Interference suppression, across-the-line capacitor, EMI filter and spark-killer in class X2 applications. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin



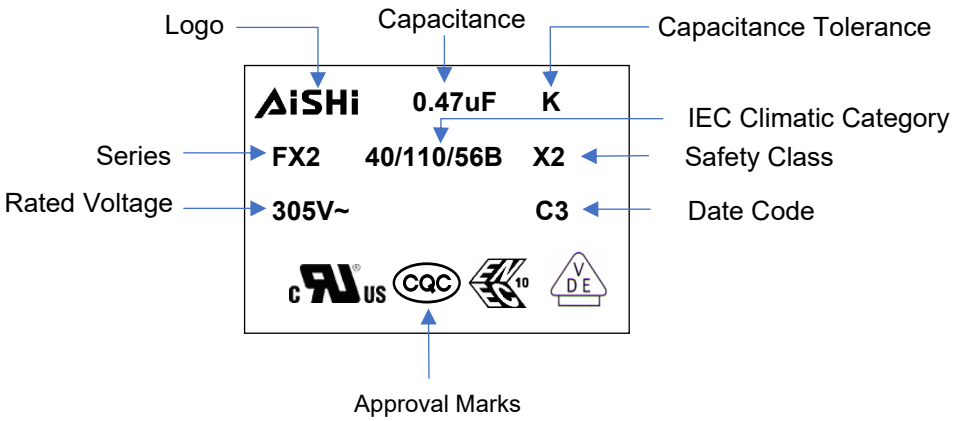
Applicable Standard

Approval	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	E500538 (305Vac~760Vac)
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40051583 (305Vac) 40052137 (350Vac~760Vac)
	IEC 60384-14 GB/T6346.14-2015	CQC20001245437 (305Vac) CQC20001281016 (350Vac~480Vac) CQC20001281018 (530Vac~760Vac)

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	305Vac / 350Vac
Capacitance Range	0.01μF to 20.0μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	0.0010 (20°C, 1KHz)
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



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2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	X2	30	K	474	E43	2EL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class X2, Metallized PP Film	30=305Vac 35=350Vac	K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

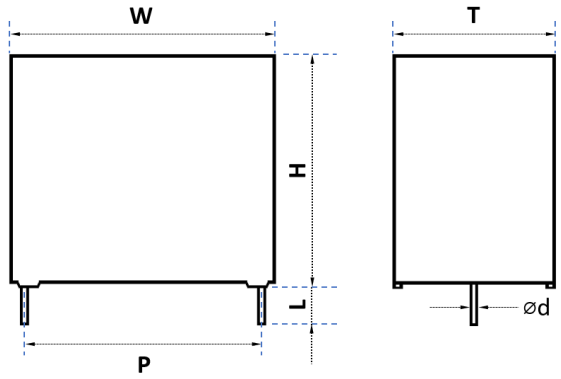
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	52.5mm	M	N/A	L
		N/A	N		

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C13	13	0.5	11	0.5	5	0.5	10	0.5	0.6	0.05
C16	13	0.5	12	0.5	6	0.5	10	0.5	0.6	0.05
C26	13	0.5	14	0.5	8	0.5	10	0.5	0.6	0.05
C27	13	0.5	16	0.5	8	0.5	10	0.5	0.6	0.05
C30	13	0.5	16	0.5	9	0.5	10	0.5	0.6	0.05
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.6	0.05
E18	18	0.5	13.5	0.5	6	0.5	15	0.5	0.8	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
F29	26	0.5	23	0.5	13	0.5	22.5	0.5	0.8	0.05
F34	26	0.5	29.5	0.5	14.5	0.5	22.5	0.5	0.8	0.05
F36	26	0.5	25	0.5	15	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	0.8	0.05
G25	32	0.8	24	0.8	14	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	1.0	0.05
K27	42	1.0	37	1.0	22	1.0	37.5	0.5	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	1.0	0.05
M16	57.5	1.0	45	1.0	30	1.0	52.5	0.5	1.2	0.05

Rating and Part Number

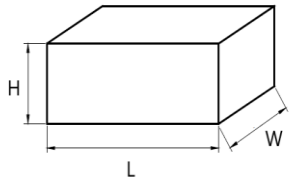
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
305	630	0.01	13	11	5	10	5	15	500	0.6	FX230K103C132CL5
305	630	0.022	13	11	5	10	11	33	500	0.6	FX230K223C132CL5
305	630	0.033	13	11	5	10	16.5	49.5	500	0.6	FX230K333C132CL5
305	630	0.047	13	11	5	10	23.5	70.5	500	0.6	FX230K473C132CL5
305	630	0.068	13	11	5	10	34	102	500	0.6	FX230K683C132CL5
305	630	0.082	13	12	6	10	41	123	500	0.6	FX230K823C162CL5
305	630	0.1	13	12	6	10	50	150	500	0.6	FX230K104C162CL5
305	630	0.15	13	14	8	10	75	225	500	0.6	FX230K154C262CL5
305	630	0.22	13	14	8	10	110	330	500	0.6	FX230K224C262CL5
305	630	0.27	13	16	8	10	135	405	500	0.6	FX230K274C272CL5
305	630	0.33	13	16	9	10	165	495	500	0.6	FX230K334C302CL5
305	630	0.047	18	11	5	15	18.8	56.4	400	0.6	FX230K473E142EL5
305	630	0.068	18	11	5	15	27.2	81.6	400	0.6	FX230K683E142EL5
305	630	0.082	18	11	5	15	32.8	98.4	400	0.6	FX230K823E142EL5
305	630	0.1	18	11	5	15	40	120	400	0.6	FX230K104E142EL5
305	630	0.15	18	12	6	15	60	180	400	0.6	FX230K154E172EL5
305	630	0.22	18	13.5	7.5	15	88	264	400	0.8	FX230K224E292EL5
305	630	0.27	18	14.5	8.5	15	108	324	400	0.8	FX230K274E342EL5
305	630	0.33	18	14.5	8.5	15	132	396	400	0.8	FX230K334E342EL5
305	630	0.47	18	16	10	15	188	564	400	0.8	FX230K474E432EL5
305	630	0.56	18	19	11	15	224	672	400	0.8	FX230K564E472EL5
305	630	0.68	18	19	11	15	272	816	400	0.8	FX230K684E472EL5
305	630	0.33	26	16.5	7	22.5	66	198	200	0.8	FX230K334F172FL5
305	630	0.47	26	16.5	7	22.5	94	282	200	0.8	FX230K474F172FL5
305	630	0.56	26	19	10	22.5	112	336	200	0.8	FX230K564F242FL5
305	630	0.68	26	19	10	22.5	136	408	200	0.8	FX230K684F242FL5
305	630	1	26	20	11	22.5	200	600	200	0.8	FX230K105F262FL5
305	630	1.2	26	22	12	22.5	240	720	200	0.8	FX230K125F272FL5
305	630	1.5	26	23	13	22.5	300	900	200	0.8	FX230K155F292FL5
305	630	1.8	26	29.5	14.5	22.5	360	1080	200	0.8	FX230K185F342FL5
305	630	2	26	29.5	14.5	22.5	400	1200	200	0.8	FX230K205F342FL5
305	630	2.2	26	29.5	14.5	22.5	440	1320	200	0.8	FX230M225F342FL5
305	630	0.68	32	18	9	27.5	102	306	150	0.8	FX230K684G152GL5
305	630	0.82	32	18	9	27.5	123	369	150	0.8	FX230K824G152GL5
305	630	1	32	20	11	27.5	150	450	150	0.8	FX230K105G182GL5
305	630	1.2	32	20	11	27.5	180	540	150	0.8	FX230M125G182GL5
305	630	1.5	32	24.5	13	27.5	225	675	150	0.8	FX230K155G222GL5
305	630	1.8	32	24.5	13	27.5	270	810	150	0.8	FX230K185G222GL5
305	630	2.2	32	24	14	27.5	330	990	150	0.8	FX230K225G252GL5
305	630	2.7	32	28	18	27.5	405	1215	150	0.8	FX230K275G332GL5
305	630	3.3	32	28	18	27.5	495	1485	150	0.8	FX230M335G332GL5
305	630	3.3	32	33	18	27.5	495	1485	150	0.8	FX230K335G342GL5
305	630	3.9	32	33	18	27.5	585	1755	150	0.8	FX230K395G342GL5
305	630	4.7	32	33	18	27.5	705	2115	150	0.8	FX230M475G342GL5
305	630	4.7	32	37	22	27.5	705	2115	150	0.8	FX230K475G402GL5
305	630	5.6	32	37	22	27.5	840	2520	150	0.8	FX230M565G402GL5
305	630	4.7	42	32	19	37.5	470	1410	100	1.0	FX230K475K212KL5
305	630	6.8	42	37	22	37.5	680	2040	100	1.0	FX230K685K272KL5
305	630	10	42	45	30	37.5	1000	3000	100	1.0	FX230K106K422KL5
305	630	12	42	45	30	37.5	1200	3600	100	1.0	FX230K126K422KL5
305	630	15	42	45	30	37.5	1500	4500	100	1.0	FX230K156K422KL5
305	630	18	57.5	45	30	52.5	1440	4500	80	1.2	FX230K186M162ML5
305	630	20	57.5	45	30	52.5	1600	4800	80	1.2	FX230K206M162ML5

Rating and Part Number

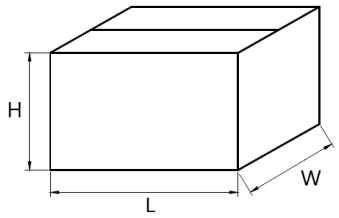
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			w	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
350	700	0.1	18	13.5	6	15	50	150	500	0.6	FX235K104E182EL5
350	700	0.15	18	13.5	7.5	15	75	225	500	0.8	FX235K154E292EL5
350	700	0.22	18	14.5	8.5	15	110	330	500	0.8	FX235K224E342EL5
350	700	0.33	18	16	10	15	165	495	500	0.8	FX235K334E432EL5
350	700	0.47	18	19	11	15	235	705	500	0.8	FX235M474E472EL5
350	700	0.47	26	17	8.5	22.5	188	564	400	0.8	FX235K474F202FL5
350	700	0.56	26	19	10	22.5	224	672	400	0.8	FX235K564F242FL5
350	700	0.68	26	20	11	22.5	272	816	400	0.8	FX235K684F262FL5
350	700	0.82	26	22	12	22.5	328	984	400	0.8	FX235K824F272FL5
350	700	1	26	23	13	22.5	400	1200	400	0.8	FX235K105F292FL5
350	700	1.2	26	25	15	22.5	480	1440	400	0.8	FX235K125F362FL5
350	700	1.5	26	29.5	14.5	22.5	600	1800	400	0.8	FX235K155F342FL5
350	700	1.8	32	28	14	22.5	360	1080	200	0.8	FX235K185G262GL5
350	700	2.0	32	28	14	27.5	400	1200	200	0.8	FX235M205G262GL5
350	700	2.2	32	28	18	27.5	440	1320	200	0.8	FX235K225G332GL5
350	700	2.7	32	28	18	27.5	540	1620	200	0.8	FX235M275G332GL5
350	700	3.0	32	33	18	27.5	600	1800	200	0.8	FX235K305G342GL5
350	700	3.3	32	33	18	27.5	660	1980	200	0.8	FX235M335G342GL5
350	700	3.9	32	37	22	27.5	780	2340	200	0.8	FX235K395G402GL5
350	700	4.7	32	37	22	27.5	940	2820	200	0.8	FX235M475G402GL5
350	700	4.7	42	32	19	37.5	470	1410	100	1.0	FX235K475K212KL5
350	700	5.6	42	37	22	37.5	560	1680	100	1.0	FX235K565K272KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
	C26	13	14	8	1,200	912	410
	C27	13	16	8	1,200	912	410
	C30	13	16	9	1,200	816	370
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E18	18	13.5	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F17	26	16.5	7	528	528	300
	F20	26	17	8.5	432	432	250
	F24	26	19	10	372	372	210
	F26	26	20	11	336	336	190
	F27	26	22	12	300	300	170
	F29	26	23	13	276	276	160
	F34	26	29.5	14.5	252	252	140
	F36	26	25	15	240	240	140
27.5	G15	32	18	9	340	340	
	G18	32	20	11	280	280	
	G22	32	24.5	13	230	230	
	G25	32	24	14	220	220	
	G26	32	28	14	220	220	
	G33	32	28	18	170	170	
	G34	32	33	18	170	170	
	G40	32	37	22	140	140	
37.5	K21	42	32	19	112	112	
	K27	42	37	22	98	98	
	K32	42	44	24	91	91	
	K42	42	45	30	70	70	
52.5	M16	57.5	45	30	50	50	

Overview

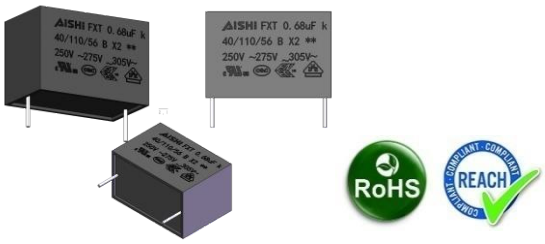
The FXT series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0. These FXT series robustness design is suitable for high humidity and high temperature environmental and compliant to THB Grade IIIB.

Applications

Interference suppression, across-the-line capacitor, EMI filter and spark-killer in class X2 applications. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Suitable for harsh enviroment conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{RAC})



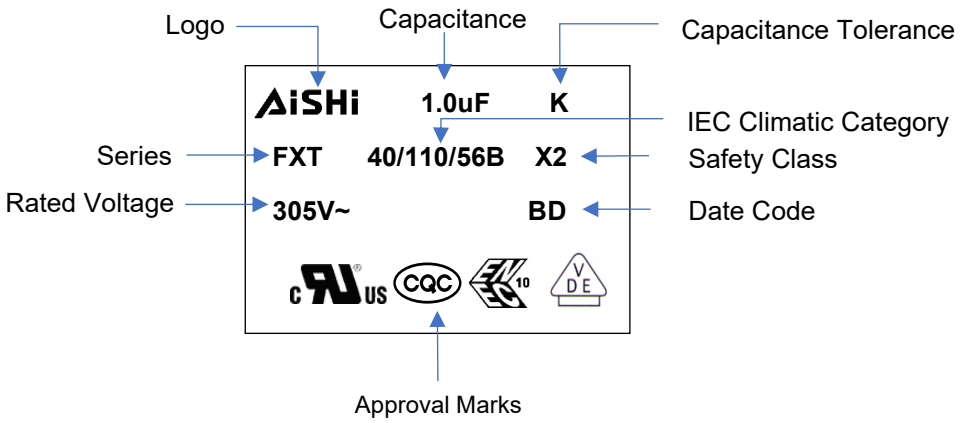
Applicable Standard

Approval	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	E500538 (305Vac~760Vac)
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40051583 (305Vac) 40052137 (350Vac~760Vac)
	IEC 60384-14 GB/T6346.14-2015	CQC20001245437 (305Vac) CQC20001281016 (350Vac~480Vac) CQC20001281018 (530Vac~760Vac)

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	305Vac / 350Vac
Capacitance Range	0.1μF to 20.0μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	0.0010 (20°C, 1KHz)
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Part Number System

F	XT	30	K	105	G18	2GL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	X2, THB Type, Metallized PP Film	30=305Vac 35=350Vac	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

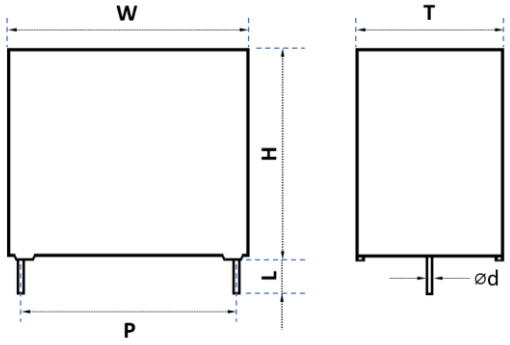
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	52.5mm	M	N/A	L
		N/A	N		

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.6	0.05
E18	18	0.5	13.5	0.5	6	0.5	15	0.5	0.6	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
F29	26	0.5	23	0.5	13	0.5	22.5	0.5	0.8	0.05
F34	26	0.5	29.5	0.5	14.5	0.5	22.5	0.5	0.8	0.05
F36	26	0.5	25	0.5	15	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	0.8	0.05
G25	32	0.8	24	0.8	14	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	1.0	0.05
K27	42	1.0	37	1.0	22	1.0	37.5	0.5	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	1.0	0.05
K82	42	1.0	32	1.0	17	1.0	37.5	0.5	1.0	0.05
M16	57.5	1.0	45	1.0	30	1.0	52.5	0.5	1.2	0.05

Rating and Part Number

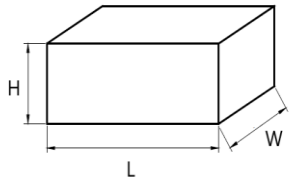
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			w	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
305	630	0.1	18	11	5	15	40	120	400	0.6	FXT30K104E142EL5
305	630	0.15	18	12	6	15	60	180	400	0.6	FXT30K154E172EL5
305	630	0.22	18	13.5	7.5	15	88	264	400	0.8	FXT30K224E292EL5
305	630	0.27	18	14.5	8.5	15	108	324	400	0.8	FXT30K274E342EL5
305	630	0.33	18	14.5	8.5	15	132	396	400	0.8	FXT30K334E342EL5
305	630	0.47	18	16	10	15	188	564	400	0.8	FXT30K474E432EL5
305	630	0.56	18	19	11	15	224	672	400	0.8	FXT30K564E472EL5
305	630	0.68	18	19	11	15	272	816	400	0.8	FXT30K684E472EL5
305	630	0.33	26	16.5	7	22.5	66	198	200	0.8	FXT30K334F172FL5
305	630	0.47	26	16.5	7	22.5	94	282	200	0.8	FXT30K474F172FL5
305	630	0.56	26	19	10	22.5	112	336	200	0.8	FXT30K564F242FL5
305	630	0.68	26	19	10	22.5	136	408	200	0.8	FXT30K684F242FL5
305	630	1	26	20	11	22.5	200	600	200	0.8	FXT30K105F262FL5
305	630	1.2	26	22	12	22.5	240	720	200	0.8	FXT30K125F272FL5
305	630	1.5	26	23	13	22.5	300	900	200	0.8	FXT30K155F292FL5
305	630	1.8	26	29.5	14.5	22.5	360	1080	200	0.8	FXT30K185F342FL5
305	630	2	26	29.5	14.5	22.5	400	1200	200	0.8	FXT30K205F342FL5
305	630	2.2	26	29.5	14.5	22.5	440	1320	200	0.8	FXT30M225F342FL5
305	630	0.68	32	18	9	27.5	102	306	150	0.8	FXT30K684G152GL5
305	630	0.82	32	18	9	27.5	123	369	150	0.8	FXT30K824G152GL5
305	630	1	32	20	11	27.5	150	450	150	0.8	FXT30K105G182GL5
305	630	1.2	32	20	11	27.5	180	540	150	0.8	FXT30M125G182GL5
305	630	1.5	32	24.5	13	27.5	225	675	150	0.8	FXT30K155G222GL5
305	630	1.8	32	24.5	13	27.5	270	810	150	0.8	FXT30K185G222GL5
305	630	2.2	32	24	14	27.5	330	990	150	0.8	FXT30K225G252GL5
305	630	2.7	32	28	18	27.5	405	1215	150	0.8	FXT30K275G332GL5
305	630	3.3	32	28	18	27.5	495	1485	150	0.8	FXT30M335G332GL5
305	630	3.3	32	33	18	27.5	495	1485	150	0.8	FXT30K335G342GL5
305	630	3.9	32	33	18	27.5	585	1755	150	0.8	FXT30K395G342GL5
305	630	4.7	32	33	18	27.5	705	2115	150	0.8	FXT30M475G342GL5
305	630	4.7	32	37	22	27.5	705	2115	150	0.8	FXT30K475G402GL5
305	630	5.6	32	37	22	27.5	840	2520	150	0.8	FXT30M565G402GL5
305	630	4.7	42	32	17	37.5	470	1410	100	1.0	FXT30K475K822KL5
305	630	6.8	42	37	22	37.5	680	2040	100	1.0	FXT30K685K272KL5
305	630	10	42	45	30	37.5	1000	3000	100	1.0	FXT30K106K422KL5
305	630	12	42	45	30	37.5	1200	3600	100	1.0	FXT30K126K422KL5
305	630	15	42	45	30	37.5	1500	4500	100	1.0	FXT30K156K422KL5
305	630	18	57.5	45	30	52.5	1440	4500	80	1.2	FXT30K186M162ML5
305	630	20	57.5	45	30	52.5	1600	4800	80	1.2	FXT30K206M162ML5

Rating and Part Number

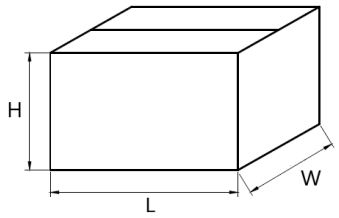
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			w	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
350	700	0.1	18	13.5	6	15	50	150	500	0.6	FXT35K104E182EL5
350	700	0.15	18	13.5	7.5	15	75	225	500	0.8	FXT35K154E292EL5
350	700	0.22	18	14.5	8.5	15	110	330	500	0.8	FXT35K224E342EL5
350	700	0.33	18	16	10	15	165	495	500	0.8	FXT35K334E432EL5
350	700	0.47	18	19	11	15	235	705	500	0.8	FXT35M474E472EL5
350	700	0.47	26	17	8.5	22.5	188	564	400	0.8	FXT35K474F202FL5
350	700	0.56	26	19	10	22.5	224	672	400	0.8	FXT35K564F242FL5
350	700	0.68	26	20	11	22.5	272	816	400	0.8	FXT35K684F262FL5
350	700	0.82	26	22	12	22.5	328	984	400	0.8	FXT35K824F272FL5
350	700	1	26	23	13	22.5	400	1200	400	0.8	FXT35K105F292FL5
350	700	1.2	26	25	15	22.5	480	1440	400	0.8	FXT35K125F362FL5
350	700	1.5	26	29.5	14.5	22.5	600	1800	400	0.8	FXT35K155F342FL5
350	700	1.8	32	28	14	22.5	360	1080	200	0.8	FXT35K185G262GL5
350	700	2.0	32	28	14	27.5	400	1200	200	0.8	FXT35M205G262GL5
350	700	2.2	32	28	18	27.5	440	1320	200	0.8	FXT35K225G332GL5
350	700	2.7	32	28	18	27.5	540	1620	200	0.8	FXT35M275G332GL5
350	700	3.0	32	33	18	27.5	600	1800	200	0.8	FXT35K305G342GL5
350	700	3.3	32	33	18	27.5	660	1980	200	0.8	FXT35M335G342GL5
350	700	3.9	32	37	22	27.5	780	2340	200	0.8	FXT35K395G402GL5
350	700	4.7	32	37	22	27.5	940	2820	200	0.8	FXT35M475G402GL5
350	700	4.7	42	32	19	37.5	470	1410	100	1.0	FXT35K475K212KL5
350	700	5.6	42	37	22	37.5	560	1680	100	1.0	FXT35K565K272KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E18	18	13.5	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F26	26	20	11		336	190
	F27	26	22	12		300	170
	F29	26	23	13		276	160
	F34	26	29.5	14.5		252	140
	F36	26	25	15		240	140
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G22	32	24.5	13		230	160
	G25	32	24	14		220	150
	G26	32	28	14		220	150
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90
37.5	K21	42	32	19		112	
	K27	42	37	22		98	
	K32	42	44	24		91	
	K42	42	45	30		70	
	K82	42	32	17		126	
52.5	M16	57.5	45	30		50	

Overview

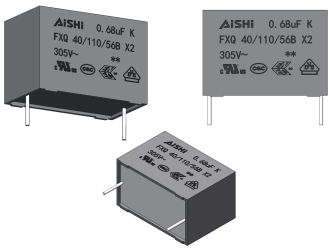
The FXQ capacitor is constructed of Metallized Polypropylene Film encapsulated with self - extinguishing resin in plastic box of material meeting the UL 94V-0 requirements. The series are suitable for harsh environment, qualify in accordance to AEC-Q200D requirement.

Applications

Interference suppression, across-the-line capacitor, EMI filter and spark-killer in class X2 applications. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Suitable for harsh enviroment conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{RAC})
- Automotive Grade (AEC-Q200D)



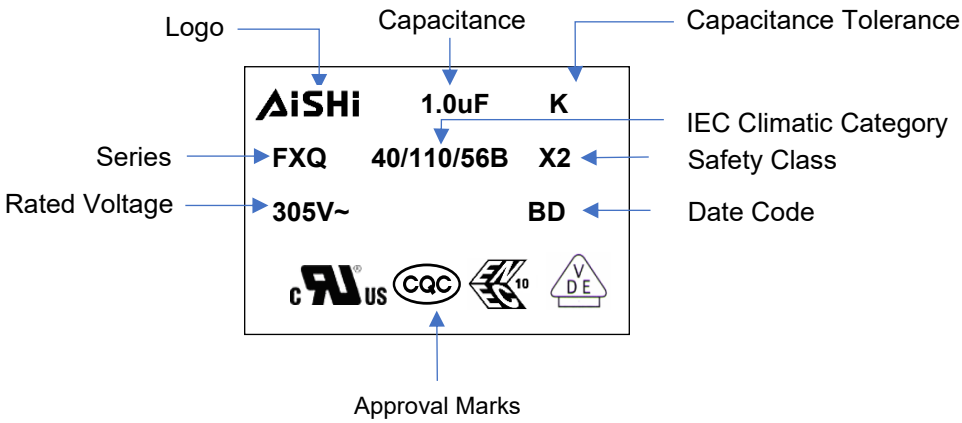
Applicable Standard

Approval	Standard	File Number
c UL us	UL 60384-14 CAN/CSA-E60384-14	E500538 (305Vac~760Vac)
EN 10 DVE	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40051583 (305Vac) 40052137 (350Vac~760Vac)
CQC	IEC 60384-14 GB/T6346.14-2015	CQC20001245437 (305Vac) CQC20001281016 (350Vac~480Vac) CQC20001281018 (530Vac~760Vac)

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	305Vac / 350Vac
Capacitance Range	0.1μF to 15μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	0.0010 (20°C, 1KHz)
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Part Number System

F	XQ	30	K	105	G18	2GL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	X2, AEC-Q200 Type, Metallized PP Film	30=305Vac 35=350Vac	K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Dimension Table	Refer to Terminal Code Table	Refer to Lead Length Table

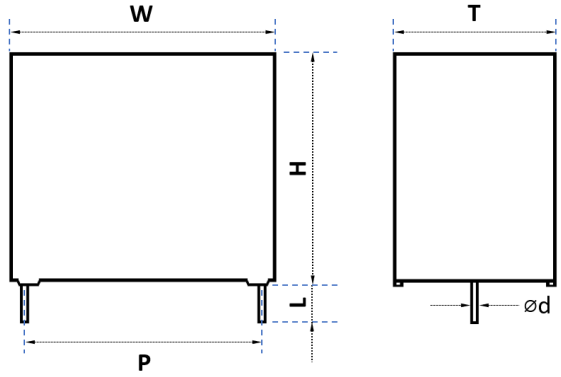
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	52.5mm	M	N/A	L
		N/A	N		

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.6	0.05
E18	18	0.5	13.5	0.5	6	0.5	15	0.5	0.6	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
F29	26	0.5	23	0.5	13	0.5	22.5	0.5	0.8	0.05
F34	26	0.5	29.5	0.5	14.5	0.5	22.5	0.5	0.8	0.05
F36	26	0.5	25	0.5	15	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	0.8	0.05
G25	32	0.8	24	0.8	14	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	1.0	0.05
K27	42	1.0	37	1.0	22	1.0	37.5	0.5	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	1.0	0.05

Rating and Part Number

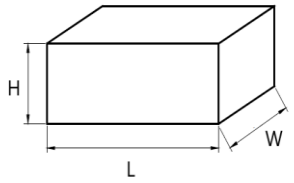
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			w	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
305	630	0.1	18	11	5	15	40	120	400	0.6	FXQ30K104E142EL5
305	630	0.15	18	12	6	15	60	180	400	0.6	FXQ30K154E172EL5
305	630	0.22	18	13.5	7.5	15	88	264	400	0.8	FXQ30K224E292EL5
305	630	0.27	18	14.5	8.5	15	108	324	400	0.8	FXQ30K274E342EL5
305	630	0.33	18	14.5	8.5	15	132	396	400	0.8	FXQ30K334E342EL5
305	630	0.47	18	16	10	15	188	564	400	0.8	FXQ30K474E432EL5
305	630	0.56	18	19	11	15	224	672	400	0.8	FXQ30K564E472EL5
305	630	0.68	18	19	11	15	272	816	400	0.8	FXQ30K684E472EL5
305	630	0.33	26	16.5	7	22.5	66	198	200	0.8	FXQ30K334F172FL5
305	630	0.47	26	16.5	7	22.5	94	282	200	0.8	FXQ30K474F172FL5
305	630	0.56	26	19	10	22.5	112	336	200	0.8	FXQ30K564F242FL5
305	630	0.68	26	19	10	22.5	136	408	200	0.8	FXQ30K684F242FL5
305	630	1	26	20	11	22.5	200	600	200	0.8	FXQ30K105F262FL5
305	630	1.2	26	22	12	22.5	240	720	200	0.8	FXQ30K125F272FL5
305	630	1.5	26	23	13	22.5	300	900	200	0.8	FXQ30K155F292FL5
305	630	1.8	26	29.5	14.5	22.5	360	1080	200	0.8	FXQ30K185F342FL5
305	630	2	26	29.5	14.5	22.5	400	1200	200	0.8	FXQ30K205F342FL5
305	630	2.2	26	29.5	14.5	22.5	440	1320	200	0.8	FXQ30M225F342FL5
305	630	0.68	32	18	9	27.5	102	306	150	0.8	FXQ30K684G152GL5
305	630	0.82	32	18	9	27.5	123	369	150	0.8	FXQ30K824G152GL5
305	630	1	32	20	11	27.5	150	450	150	0.8	FXQ30K105G182GL5
305	630	1.2	32	20	11	27.5	180	540	150	0.8	FXQ30M125G182GL5
305	630	1.5	32	24.5	13	27.5	225	675	150	0.8	FXQ30K155G222GL5
305	630	1.8	32	24.5	13	27.5	270	810	150	0.8	FXQ30K185G222GL5
305	630	2.2	32	24	14	27.5	330	990	150	0.8	FXQ30K225G252GL5
305	630	2.7	32	28	18	27.5	405	1215	150	0.8	FXQ30K275G332GL5
305	630	3.3	32	28	18	27.5	495	1485	150	0.8	FXQ30M335G332GL5
305	630	3.3	32	33	18	27.5	495	1485	150	0.8	FXQ30K335G342GL5
305	630	3.9	32	33	18	27.5	585	1755	150	0.8	FXQ30K395G342GL5
305	630	4.7	32	33	18	27.5	705	2115	150	0.8	FXQ30M475G342GL5
305	630	4.7	32	37	22	27.5	705	2115	150	0.8	FXQ30K475G402GL5
305	630	5.6	32	37	22	27.5	840	2520	150	0.8	FXQ30M565G402GL5
305	630	4.7	42	32	19	37.5	470	1410	100	1.0	FXQ30K475K212KL5
305	630	6.8	42	37	22	37.5	680	2040	100	1.0	FXQ30K685K272KL5
305	630	10	42	45	30	37.5	1000	3000	100	1.0	FXQ30K106K422KL5
305	630	12	42	45	30	37.5	1200	3600	100	1.0	FXQ30K126K422KL5
305	630	15	42	45	30	37.5	1500	4500	100	1.0	FXQ30K156K422KL5

Rating and Part Number

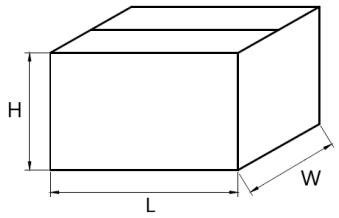
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			w	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
350	700	0.1	18	13.5	6	15	50	150	500	0.6	FXQ35K104E182EL5
350	700	0.15	18	13.5	7.5	15	75	225	500	0.8	FXQ35K154E292EL5
350	700	0.22	18	14.5	8.5	15	110	330	500	0.8	FXQ35K224E342EL5
350	700	0.33	18	16	10	15	165	495	500	0.8	FXQ35K334E432EL5
350	700	0.47	18	19	11	15	235	705	500	0.8	FXQ35M474E472EL5
350	700	0.47	26	17	8.5	22.5	188	564	400	0.8	FXQ35K474F202FL5
350	700	0.56	26	19	10	22.5	224	672	400	0.8	FXQ35K564F242FL5
350	700	0.68	26	20	11	22.5	272	816	400	0.8	FXQ35K684F262FL5
350	700	0.82	26	22	12	22.5	328	984	400	0.8	FXQ35K824F272FL5
350	700	1	26	23	13	22.5	400	1200	400	0.8	FXQ35K105F292FL5
350	700	1.2	26	25	15	22.5	480	1440	400	0.8	FXQ35K125F362FL5
350	700	1.5	26	29.5	14.5	22.5	600	1800	400	0.8	FXQ35K155F342FL5
350	700	1.8	32	28	14	22.5	360	1080	200	0.8	FXQ35K185G262GL5
350	700	2.0	32	28	14	27.5	400	1200	200	0.8	FXQ35M205G262GL5
350	700	2.2	32	28	18	27.5	440	1320	200	0.8	FXQ35K225G332GL5
350	700	2.7	32	28	18	27.5	540	1620	200	0.8	FXQ35M275G332GL5
350	700	3.0	32	33	18	27.5	600	1800	200	0.8	FXQ35K305G342GL5
350	700	3.3	32	33	18	27.5	660	1980	200	0.8	FXQ35M335G342GL5
350	700	3.9	32	37	22	27.5	780	2340	200	0.8	FXQ35K395G402GL5
350	700	4.7	32	37	22	27.5	940	2820	200	0.8	FXQ35M475G402GL5
350	700	4.7	42	32	19	37.5	470	1410	100	1.0	FXQ35K475K212KL5
350	700	5.6	42	37	22	37.5	560	1680	100	1.0	FXQ35K565K272KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E18	18	13.5	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F26	26	20	11		336	190
	F27	26	22	12		300	170
	F29	26	23	13		276	160
	F34	26	29.5	14.5		252	140
	F36	26	25	15		240	140
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G22	32	24.5	13		230	160
	G25	32	24	14		220	150
	G26	32	28	14		220	150
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90
37.5	K21	42	32	19		112	
	K27	42	37	22		98	
	K32	42	44	24		91	
	K42	42	45	30		70	

Overview

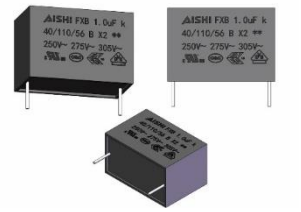
The FXB series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0. These FXB series robustness design is suitable for harsh environmental conditions and compliant to THB Grade IIIB.

Applications

Interference suppression and specifically designed for applications in serial with the main, capacitive power suppliers and energy meter.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Suitable for harsh enviromental conditions
- THB Grade IIIB
  (85°C 85%RH 1.0Un for 1000 hours)



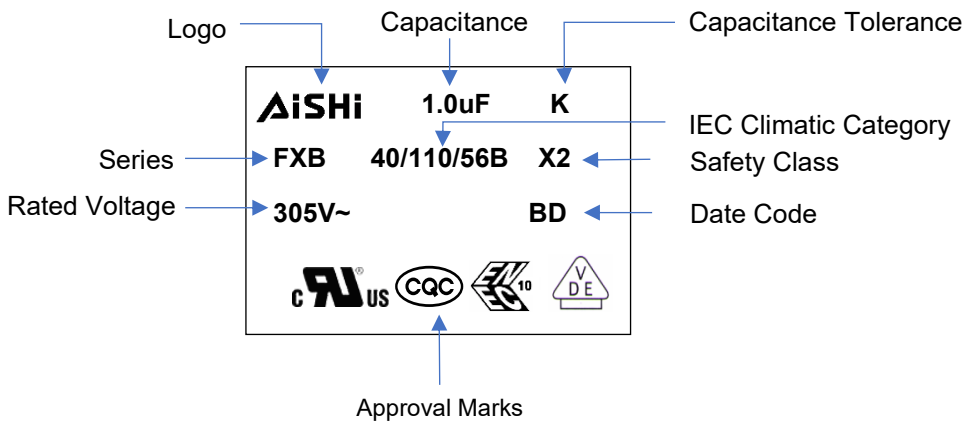
Applicable Standard

Approval	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	E500538
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40051583
	IEC 60384-14 GB/T6346.14-2015	CQC20001245437

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	305Vac
Capacitance Range	0.1μF to 4.7μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	0.0010 (20°C, 1KHz)
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Part Number System

F	XB	30	K	105	F29	2FL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	X2, Capacitive Divider Type, Metallized PP Film	305	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Dimension Table	Refer to Terminal Code Table	Refer to Lead Length Table

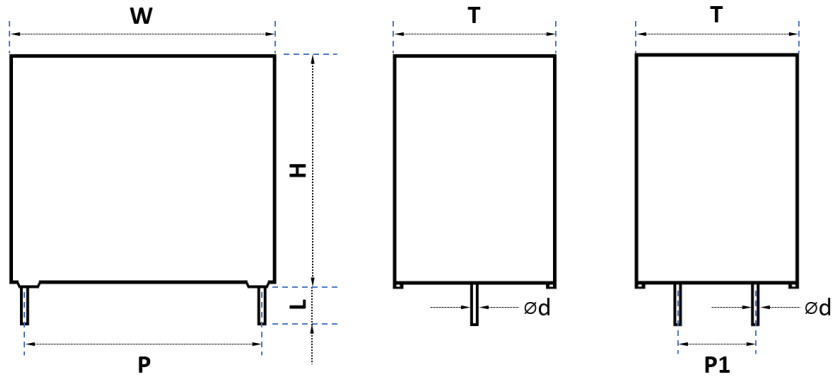
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	12.5mm	D	7.5mm	C
2 leads for forming cut	E	15.0mm	E	10.2mm	B
4 leads for straight cut	4	22.5mm	F	12.7mm	G
Taping	T	27.5mm	G	20.3mm	D
Taping Straight	V	37.5mm	K	N/A	L
		57.5mm	M		
		N/A	N		

Lead Length Code

Lead Length	
2.5mm	A
2.8mm	C
3.0mm	3
3.2mm	1
3.5mm	2
3.8mm	E
4.0mm	4
4.5mm	D
5.0mm	5
7.0mm	7
20mm min	L
35mm min	B
Taping	T
N/A	N

Dimension (mm)



2 pins 4 pins

Size Code Table (mm)

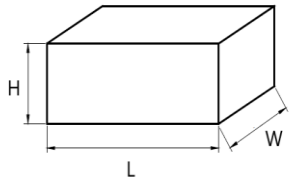
Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E29	18.0	0.5	13.5	0.5	7.5	0.5	15.0	0.5	0.8	0.05
E34	18.0	0.5	14.5	0.5	8.5	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05
F26	26.0	0.5	20.0	0.5	11.0	0.5	22.5	0.5	0.8	0.05
F27	26.0	0.5	22.0	0.5	12.0	0.5	22.5	0.5	0.8	0.05
F29	26.0	0.5	23.0	0.5	13.0	0.5	22.5	0.5	0.8	0.05
G21	32.0	0.8	22.0	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G26	32.0	0.8	28.0	0.8	14.0	0.8	27.5	0.5	0.8	0.05
G27	32.0	0.8	24.5	0.8	15.0	0.8	27.5	0.5	0.8	0.05
G33	32.0	0.8	28.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G34	32.0	0.8	33.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G40	32.0	0.8	37.0	0.8	22.0	0.8	27.5	0.5	0.8	0.05

Rating and Part Number

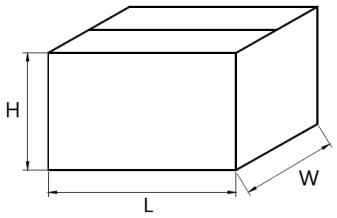
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
305	630	0.10	18.0	13.5	7.5	15.0	40	120	400	0.8	FXB30K104E292EL5
305	630	0.15	18.0	14.5	8.5	15.0	60	180	400	0.8	FXB30K154E342EL5
305	630	0.22	18.0	16.0	10.0	15.0	88	264	400	0.8	FXB30K224E432EL5
305	630	0.33	18.0	19.0	11.0	15.0	132	396	400	0.8	FXB30K334E472EL5
305	630	0.47	26.0	20.0	11.0	22.5	94	282	200	0.8	FXB30K474F262FL5
305	630	0.56	26.0	20.0	11.0	22.5	112	336	200	0.8	FXB30K564F262FL5
305	630	0.68	26.0	22.0	12.0	22.5	136	408	200	0.8	FXB30K684F272FL5
305	630	0.82	26.0	22.0	12.0	22.5	164	492	200	0.8	FXB30K824F272FL5
305	630	1.00	26.0	22.0	12.0	22.5	200	600	200	0.8	FXB30K105F272FL5
305	630	1.00	26.0	23.0	13.0	22.5	200	600	200	0.8	FXB30K105F292FL5
305	630	1.00	32.0	22.0	13.0	27.5	150	450	150	0.8	FXB30K105G212GL5
305	630	1.20	32.0	28.0	14.0	27.5	180	540	150	0.8	FXB30K125G262GL5
305	630	1.50	32.0	24.5	15.0	27.5	225	675	150	0.8	FXB30K155G272GL5
305	630	1.50	32.0	28.0	14.0	27.5	225	675	150	0.8	FXB30K155G262GL5
305	630	1.80	32.0	33.0	18.0	27.5	270	810	150	0.8	FXB30K185G342GL5
305	630	2.00	32.0	33.0	18.0	27.5	300	900	150	0.8	FXB30K205G342GL5
305	630	2.20	32.0	28.0	18.0	27.5	330	990	150	0.8	FXB30K225G332GL5
305	630	2.20	32.0	33.0	18.0	27.5	330	660	150	0.8	FXB30K225G342GL5
305	630	3.30	32.0	33.0	18.0	27.5	495	1485	150	0.8	FXB30K335G342GL5
305	630	4.70	32.0	37.0	22.0	27.5	705	2115	150	0.8	FXB30K475G402GL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F26	26	20	11		336	190
	F27	26	22	12		300	170
	F29	26	23	13		276	160
27.5	G21	32	22	13		230	160
	G26	32	28	14		220	150
	G27	32	24.5	15		200	140
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90

Overview

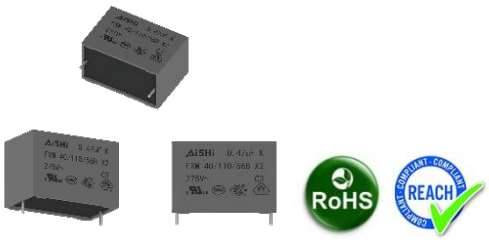
The FXM series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0.

Applications

Interference suppression, across-the-line capacitor, EMI filter and spark-killer in class X2 applications. Only suitable for use in charger and adapter. Not for AC filtering, capacitive divider and connection in series with the main.

Features

- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin



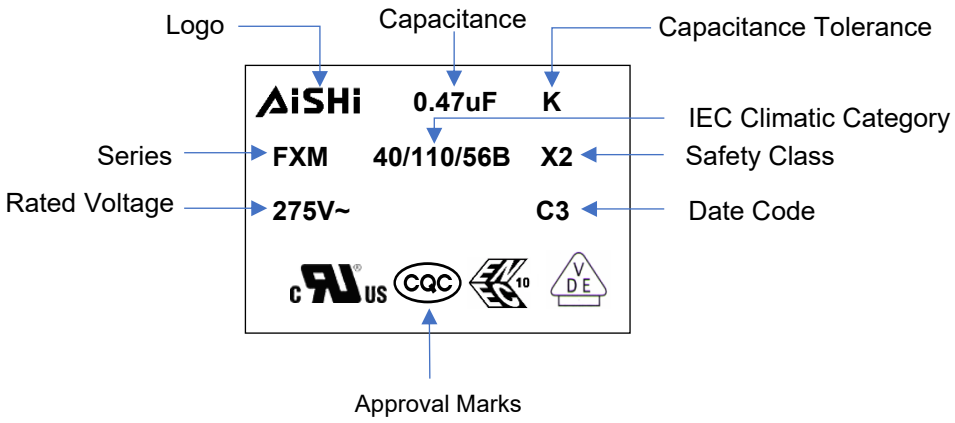
Applicable Standard

Approval	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	E500538
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40051583
	IEC 60384-14 GB/T6346.14-2015	CQC20001245437

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	275Vac
Capacitance Range	0.1μF to 1.2μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	0.0010 (20°C，1KHz)
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Part Number System

F	XM	27	K	474	E21	2EL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class X2, Metallized PP Film	250 275	K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

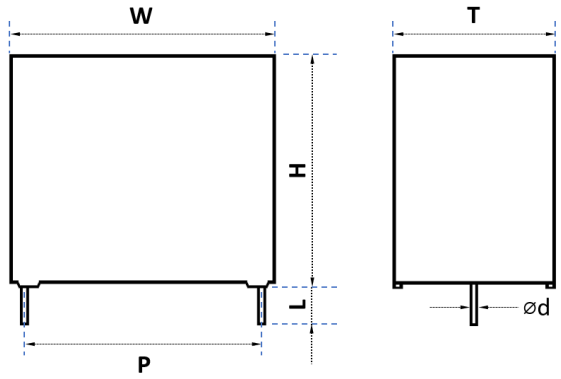
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	N/A	L
2 leads for straight cut	2	12.5mm	D		
2 leads for forming cut	E	15.0mm	E		
2 leads for Taping	T				
2 leads for Taping Straight	V				
2 leads for 90° bent cut	Y				

Lead Length Code

Lead Length	
20mm min	L
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

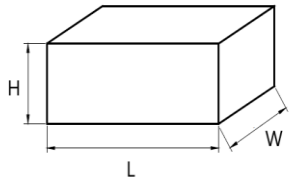
Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C13	13.0	0.5	11.0	0.5	5.0	0.5	10.0	0.5	0.6	0.05
C16	13.0	0.5	12.0	0.5	6.0	0.5	10.0	0.5	0.6	0.05
C24	13.0	0.5	13.0	0.5	7.0	0.5	10.0	0.5	0.6	0.05
C25	13.0	0.5	14.0	0.5	7.0	0.5	10.0	0.5	0.6	0.05
C27	13.0	0.5	16.0	0.5	8.0	0.5	10.0	0.5	0.6	0.05
C28	13.0	0.5	17.0	0.5	8.0	0.5	10.0	0.5	0.6	0.05
C29	13.0	0.5	19.0	0.5	8.0	0.5	10.0	0.5	0.6	0.05
D10	15.0	0.5	11.5	0.5	6.0	0.5	12.5	0.5	0.6	0.05
D11	15.0	0.5	12.5	0.5	6.5	0.5	12.5	0.5	0.6	0.05
D14	15.0	0.5	13.5	0.5	7.0	0.5	12.5	0.5	0.6	0.05
D16	15.0	0.5	14.0	0.5	8.5	0.5	12.5	0.5	0.6	0.05
D19	15.0	0.5	15.5	0.5	10.0	0.5	12.5	0.5	0.6	0.05
D20	15.0	0.5	16.0	0.5	10.0	0.5	12.5	0.5	0.6	0.05
E14	18.0	0.5	11.0	0.5	5.0	0.5	15.0	0.5	0.6	0.05
E17	18.0	0.5	12.0	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E18	18.0	0.5	13.5	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E21	18.0	0.5	13.0	0.5	7.0	0.5	15.0	0.5	0.8	0.05
E31	18.0	0.5	14.0	0.5	8.0	0.5	15.0	0.5	0.8	0.05
E33	18.0	0.5	16.0	0.5	8.0	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E45	18.0	0.5	18.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05

Rating and Part Number

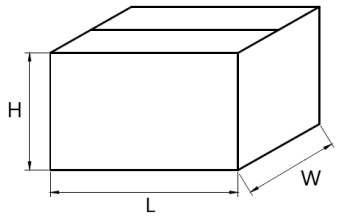
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
275	560	0.1	13.0	11.0	5.0	10.0	50	150	500	0.6	FXM27K104C132CL5
275	560	0.12	13.0	11.0	5.0	10.0	60	180	500	0.6	FXM27K124C132CL5
275	560	0.15	13.0	11.0	5.0	10.0	75	225	500	0.6	FXM27K154C132CL5
275	560	0.18	13.0	12.0	6.0	10.0	90	270	500	0.6	FXM27K184C162CL5
275	560	0.2	13.0	12.0	6.0	10.0	100	300	500	0.6	FXM27K204C162CL5
275	560	0.22	13.0	13.0	7.0	10.0	110	330	500	0.6	FXM27K224C242CL5
275	560	0.27	13.0	14.0	7.0	10.0	135	405	500	0.6	FXM27K274C252CL5
275	560	0.33	13.0	16.0	8.0	10.0	165	495	500	0.6	FXM27K334C272CL5
275	560	0.39	13.0	17.0	8.0	10.0	195	585	500	0.6	FXM27K394C282CL5
275	560	0.47	13.0	19.0	8.0	10.0	235	705	500	0.6	FXM27K474C292CL5
275	560	0.22	15.0	11.5	6.0	12.5	110	330	500	0.6	FXM27K224D102DL5
275	560	0.27	15.0	11.5	6.0	12.5	135	405	500	0.6	FXM27K274D102DL5
275	560	0.33	15.0	12.5	6.5	12.5	165	495	500	0.6	FXM27K334D112DL5
275	560	0.39	15.0	13.5	7.0	12.5	195	585	500	0.6	FXM27K394D142DL5
275	560	0.47	15.0	14.0	8.5	12.5	235	705	500	0.6	FXM27K474D162DL5
275	560	0.56	15.0	15.5	10.0	12.5	280	840	500	0.6	FXM27K564D192DL5
275	560	0.68	15.0	16.0	10.0	12.5	340	1020	500	0.6	FXM27K684D202DL5
275	560	0.1	18.0	11.0	5.0	15.0	40	120	400	0.6	FXM27K104E142EL5
275	560	0.12	18.0	11.0	5.0	15.0	48	144	400	0.6	FXM27K124E142EL5
275	560	0.15	18.0	11.0	5.0	15.0	60	180	400	0.6	FXM27K154E142EL5
275	560	0.18	18.0	11.0	5.0	15.0	72	216	400	0.6	FXM27K184E142EL5
275	560	0.2	18.0	11.0	5.0	15.0	80	240	400	0.6	FXM27K204E142EL5
275	560	0.22	18.0	11.0	5.0	15.0	88	264	400	0.6	FXM27K224E142EL5
275	560	0.27	18.0	11.0	5.0	15.0	108	324	400	0.6	FXM27K274E142EL5
275	560	0.3	18.0	12.0	6.0	15.0	120	360	400	0.6	FXM27K304E172EL5
275	560	0.33	18.0	12.0	6.0	15.0	132	396	400	0.6	FXM27K334E172EL5
275	560	0.39	18.0	13.5	6.0	15.0	156	468	400	0.6	FXM27K394E182EL5
275	560	0.47	18.0	13.0	7.0	15.0	188	564	400	0.8	FXM27K474E212EL5
275	560	0.56	18.0	14.0	8.0	15.0	224	672	400	0.8	FXM27K564E312EL5
275	560	0.68	18.0	16.0	8.0	15.0	272	816	400	0.8	FXM27K684E332EL5
275	560	0.82	18.0	16.0	10.0	15.0	328	984	400	0.8	FXM27K824E432EL5
275	560	1.0	18.0	18.0	10.0	15.0	400	1200	400	0.8	FXM27K105E452EL5
275	560	1.2	18.0	19.0	11.0	15.0	480	1440	400	0.8	FXM27K125E472EL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



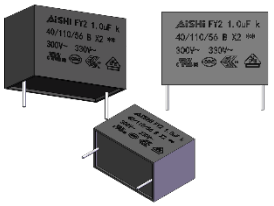
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10.0	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
	C24	13	13	7	1,200	1,056	480
	C25	13	14	7	1,200	1,056	480
	C27	13	16	8	1,200	912	410
	C28	13	17	8	1,200	912	410
	C29	13	19	8	1,200	912	410
12.5	D10	15	11.5	6	1,000	1,071	560
	D11	15	12.5	6.5	1,000	987	510
	D14	15	13.5	7	1,000	924	480
	D16	15	14	8.5	1,000	756	390
	D19	15	15.5	10	1,000	651	340
	D20	15	16	10	1,000	651	340
15.0	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E18	18	13.5	6	800	867	560
	E21	18	13	7	800	748	480
	E31	18	14	8	600	646	410
	E33	18	16	8	600	646	410
	E43	18	16	10	600	527	340
	E45	18	18	10	600	527	330
	E47	18	19	11	600	476	300

Overview
The FY2 series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0.

Applications
Use in EMI filter in line-to-ground and line-by-pass applications requiring Y2 safety classification. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features
- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin



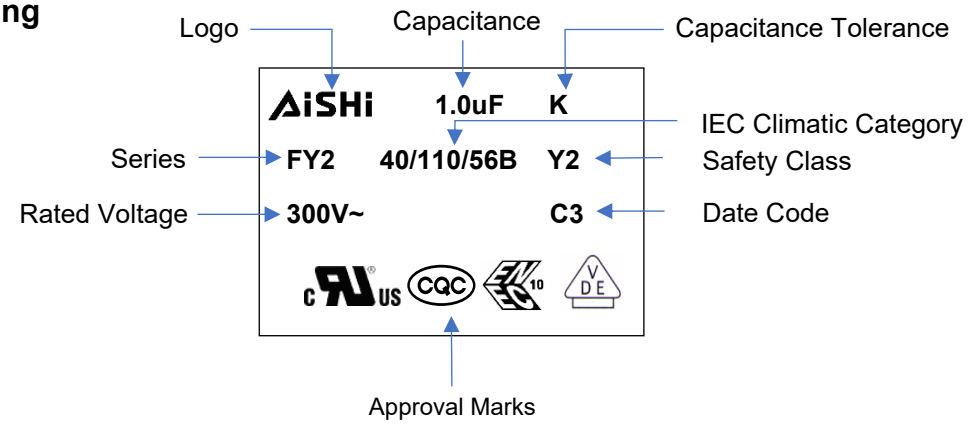
Applicable Standard

Approval	Standard	File Number
c UL us	UL 60384-14 CAN/CSA-E60384-14	E500538
IEC 10 DVE	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40052687
CQC	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	CQC20001280148

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	300Vac
Capacitance Range	0.001μF to 1.0μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	0.0020 (0.2%) at 20°C, 1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Part Number System

F	Y2	30	K	105	K24	2KL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class Y2, Metallized PP Film	30=300Vac	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

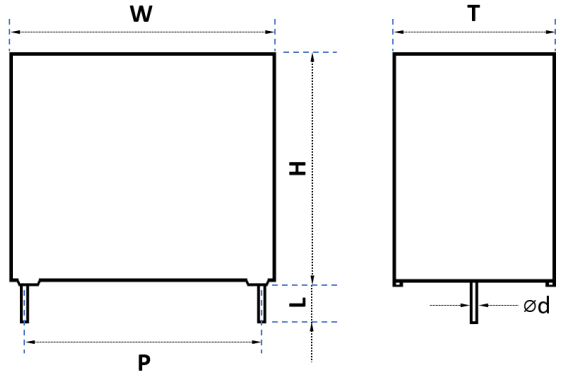
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	N/A	N	N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

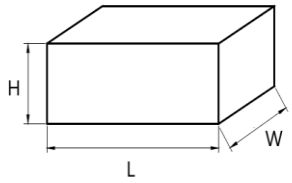
Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C11	13	0.5	9	0.5	4	0.5	10	0.5	0.6	0.05
C13	13	0.5	11	0.5	5	0.5	10	0.5	0.6	0.05
C16	13	0.5	12	0.5	6	0.5	10	0.5	0.6	0.05
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.6	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.6	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
F36	26	0.5	25	0.5	15	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05
K11	42	1.0	24	1.0	13	1.0	37.5	0.5	1.0	0.05
K17	42	1.0	28	1.0	17	1.0	37.5	0.5	1.0	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	1.0	0.05
K24	42	1.0	40	1.0	20	1.0	37.5	0.5	1.0	0.05

Rating and Part Number

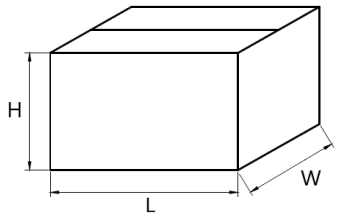
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
300	1500	0.001	13	9	4	10	0.8	2.4	800	0.6	FY230K102C112CL5
300	1500	0.0015	13	9	4	10	1.2	3.6	800	0.6	FY230K152C112CL5
300	1500	0.0022	13	9	4	10	1.76	5.28	800	0.6	FY230K222C112CL5
300	1500	0.0033	13	11	5	10	2.64	7.92	800	0.6	FY230K332C132CL5
300	1500	0.0047	13	11	5	10	3.76	11.28	800	0.6	FY230K472C132CL5
300	1500	0.0047	13	12	6	10	3.76	11.28	800	0.6	FY230K472C162CL5
300	1500	0.0068	13	12	6	10	5.44	16.32	800	0.6	FY230K682C162CL5
300	1500	0.01	13	12	6	10	8	24	800	0.6	FY230K103C162CL5
300	1500	0.015	13	12	6	10	12	36	800	0.6	FY230K153C162CL5
300	1500	0.0047	18	11	5	15	2.82	8.46	600	0.6	FY230K472E142EL5
300	1500	0.0056	18	11	5	15	3.36	10.08	600	0.6	FY230K562E142EL5
300	1500	0.0068	18	11	5	15	4.08	12.24	600	0.6	FY230K682E142EL5
300	1500	0.0082	18	11	5	15	4.92	14.76	600	0.6	FY230K822E142EL5
300	1500	0.01	18	11	5	15	6	18	600	0.6	FY230K103E142EL5
300	1500	0.015	18	11	5	15	9	27	600	0.6	FY230K153E142EL5
300	1500	0.018	18	12	6	15	10.8	32.4	600	0.6	FY230K183E172EL5
300	1500	0.022	18	12	6	15	13.2	39.6	600	0.6	FY230K223E172EL5
300	1500	0.033	18	13.5	7.5	15	19.8	59.4	600	0.8	FY230K333E292EL5
300	1500	0.039	18	13.5	7.5	15	23.4	70.2	600	0.8	FY230K393E292EL5
300	1500	0.047	18	14.5	8.5	15	28.2	84.6	600	0.8	FY230K473E342EL5
300	1500	0.068	18	19	11	15	40.8	122.4	600	0.8	FY230K683E472EL5
300	1500	0.082	18	19	11	15	49.2	147.6	600	0.8	FY230K823E472EL5
300	1500	0.047	26	15.5	6	22.5	23.5	70.5	500	0.6	FY230K473F142FL5
300	1500	0.056	26	15.5	6	22.5	28	84	500	0.6	FY230K563F142FL5
300	1500	0.068	26	16.5	7	22.5	34	102	500	0.8	FY230K683F172FL5
300	1500	0.082	26	16.5	7	22.5	41	123	500	0.8	FY230K823F172FL5
300	1500	0.1	26	17	8.5	22.5	50	150	500	0.8	FY230K104F202FL5
300	1500	0.15	26	19	10	22.5	75	225	500	0.8	FY230K154F242FL5
300	1500	0.22	26	22	12	22.5	110	330	500	0.8	FY230K224F272FL5
300	1500	0.33	26	25	15	22.5	165	495	500	0.8	FY230K334F362FL5
300	1500	0.1	32	18	9	27.5	40	120	400	0.8	FY230K104G152GL5
300	1500	0.15	32	18	9	27.5	60	180	400	0.8	FY230K154G152GL5
300	1500	0.18	32	20	11	27.5	72	216	400	0.8	FY230K184G182GL5
300	1500	0.22	32	20	11	27.5	88	264	400	0.8	FY230K224G182GL5
300	1500	0.27	32	22	13	27.5	108	324	400	0.8	FY230K274G212GL5
300	1500	0.33	32	28	14	27.5	132	396	400	0.8	FY230K334G262GL5
300	1500	0.33	32	22	13	27.5	132	396	400	0.8	FY230M334G212GL5
300	1500	0.47	32	28	18	27.5	188	564	400	0.8	FY230K474G332GL5
300	1500	0.56	32	33	18	27.5	224	672	400	0.8	FY230K564G342GL5
300	1500	0.68	32	33	18	27.5	272	816	400	0.8	FY230K684G342GL5
300	1500	0.82	32	37	22	27.5	328	984	400	0.8	FY230K824G402GL5
300	1500	1	32	37	22	27.5	400	1200	400	0.8	FY230K105G402GL5
300	1500	0.47	42	24	13	37.5	141	423	300	1.0	FY230K474K112KL5
300	1500	0.68	42	28	17	37.5	204	612	300	1.0	FY230K684K172KL5
300	1500	0.82	42	32	19	37.5	246	738	300	1.0	FY230K824K212KL5
300	1500	1	42	40	20	37.5	300	900	300	1.0	FY230K105K242KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C11	13	9	4	1,200	1,848	840
	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6		612	350
	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F27	26	22	12		300	170
	F36	26	25	15		240	140
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G21	32	22	13		230	160
	G26	32	28	14		220	150
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90
37.5	K11	42	24	13		161	
	K17	42	28	17		126	
	K21	42	32	19		112	
	K24	42	40	20		105	

Overview

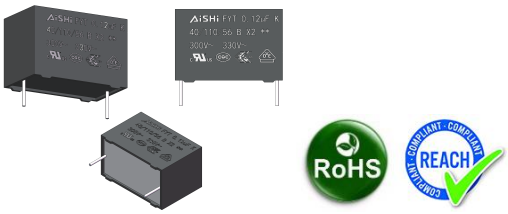
The FYT series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0. This FYT series robustness design is suitable for high humidity and high temperature environmental and compliant to THB Grade IIIB.

Applications

Use in EMI filter in line-to-ground and line-by-pass applications requiring Y2 safety classification. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Suitable for harsh enviroment conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{RAC})



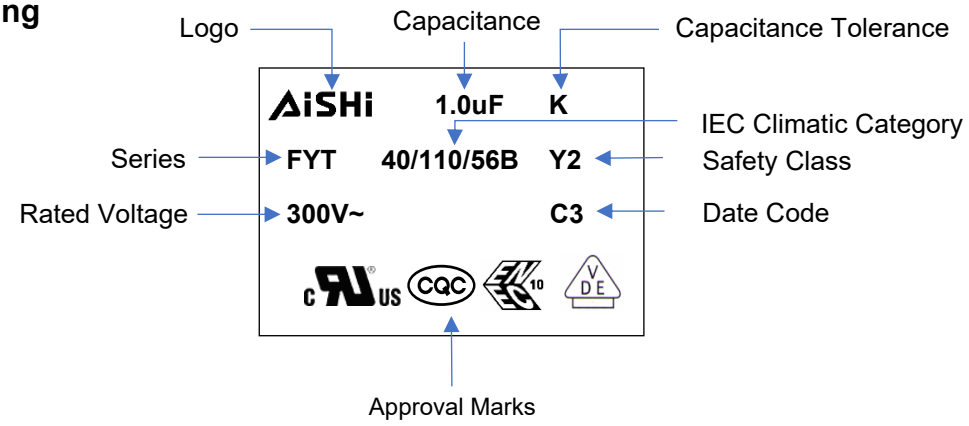
Applicable Standard

Approval	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	E500538
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40052687
	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	CQC20001280148

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	300Vac
Capacitance Range	0.001μF to 1.0μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	0.0020 (0.2%) at 20°C, 1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Part Number System

F	YT	30	K	105	K24	2KL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class Y2, THB Type, Metallized PP Film	30=300Vac	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

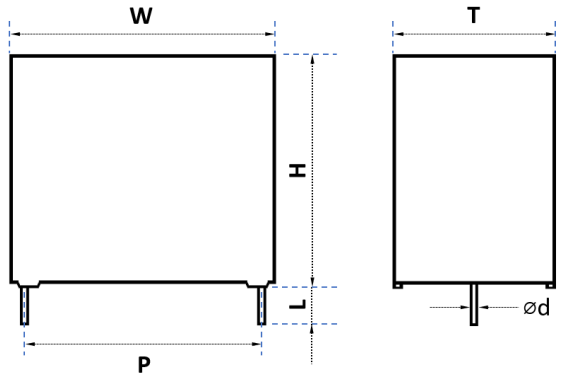
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	N/A	N	N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

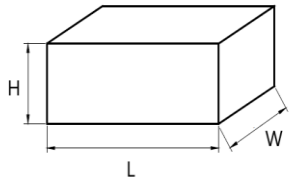
Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C11	13	0.5	9	0.5	4	0.5	10	0.5	0.6	0.05
C13	13	0.5	11	0.5	5	0.5	10	0.5	0.6	0.05
C16	13	0.5	12	0.5	6	0.5	10	0.5	0.6	0.05
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.6	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
F36	26	0.5	25	0.5	15	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05
K11	42	1.0	24	1.0	13	1.0	37.5	0.5	1.0	0.05
K17	42	1.0	28	1.0	17	1.0	37.5	0.5	1.0	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	1.0	0.05
K24	42	1.0	40	1.0	20	1.0	37.5	0.5	1.2	0.05

Rating and Part Number

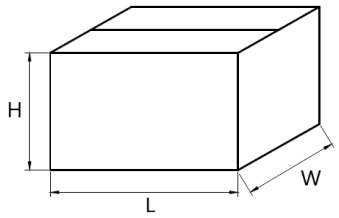
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
300	1500	0.001	13	9	4	10	0.8	2.4	800	0.6	FYT30K102C112CL5
300	1500	0.0015	13	9	4	10	1.2	3.6	800	0.6	FYT30K152C112CL5
300	1500	0.0022	13	9	4	10	1.76	5.28	800	0.6	FYT30K222C112CL5
300	1500	0.0033	13	11	5	10	2.64	7.92	800	0.6	FYT30K332C132CL5
300	1500	0.0047	13	11	5	10	3.76	11.28	800	0.6	FYT30K472C132CL5
300	1500	0.0047	13	12	6	10	3.76	11.28	800	0.6	FYT30K472C162CL5
300	1500	0.0068	13	12	6	10	5.44	16.32	800	0.6	FYT30K682C162CL5
300	1500	0.01	13	12	6	10	8	24	800	0.6	FYT30K103C162CL5
300	1500	0.015	13	12	6	10	12	36	800	0.6	FYT30K153C162CL5
300	1500	0.0047	18	11	5	15	2.82	8.46	600	0.6	FYT30K472E142EL5
300	1500	0.0056	18	11	5	15	3.36	10.08	600	0.6	FYT30K562E142EL5
300	1500	0.0068	18	11	5	15	4.08	12.24	600	0.6	FYT30K682E142EL5
300	1500	0.0082	18	11	5	15	4.92	14.76	600	0.6	FYT30K822E142EL5
300	1500	0.01	18	11	5	15	6	18	600	0.6	FYT30K103E142EL5
300	1500	0.015	18	11	5	15	9	27	600	0.6	FYT30K153E142EL5
300	1500	0.018	18	12	6	15	10.8	32.4	600	0.6	FYT30K183E172EL5
300	1500	0.022	18	12	6	15	13.2	39.6	600	0.6	FYT30K223E172EL5
300	1500	0.033	18	13.5	7.5	15	19.8	59.4	600	0.8	FYT30K333E292EL5
300	1500	0.039	18	13.5	7.5	15	23.4	70.2	600	0.8	FYT30K393E292EL5
300	1500	0.047	18	14.5	8.5	15	28.2	84.6	600	0.8	FYT30K473E342EL5
300	1500	0.068	18	19	11	15	40.8	122.4	600	0.8	FYT30K683E472EL5
300	1500	0.082	18	19	11	15	49.2	147.6	600	0.8	FYT30K823E472EL5
300	1500	0.047	26	15.5	6	22.5	23.5	70.5	500	0.6	FYT30K473F142FL5
300	1500	0.056	26	15.5	6	22.5	28	84	500	0.6	FYT30K563F142FL5
300	1500	0.068	26	16.5	7	22.5	34	102	500	0.8	FYT30K683F172FL5
300	1500	0.082	26	16.5	7	22.5	41	123	500	0.8	FYT30K823F172FL5
300	1500	0.1	26	17	8.5	22.5	50	150	500	0.8	FYT30K104F202FL5
300	1500	0.15	26	19	10	22.5	75	225	500	0.8	FYT30K154F242FL5
300	1500	0.22	26	22	12	22.5	110	330	500	0.8	FYT30K224F272FL5
300	1500	0.33	26	25	15	22.5	165	495	500	0.8	FYT30K334F362FL5
300	1500	0.1	32	18	9	27.5	40	120	400	0.8	FYT30K104G152GL5
300	1500	0.15	32	18	9	27.5	60	180	400	0.8	FYT30K154G152GL5
300	1500	0.18	32	20	11	27.5	72	216	400	0.8	FYT30K184G182GL5
300	1500	0.22	32	20	11	27.5	88	264	400	0.8	FYT30K224G182GL5
300	1500	0.27	32	22	13	27.5	108	324	400	0.8	FYT30K274G212GL5
300	1500	0.33	32	28	14	27.5	132	396	400	0.8	FYT30K334G262GL5
300	1500	0.33	32	22	13	27.5	132	396	400	0.8	FYT30M334G212GL5
300	1500	0.47	32	28	18	27.5	188	564	400	0.8	FYT30K474G332GL5
300	1500	0.56	32	33	18	27.5	224	672	400	0.8	FYT30K564G342GL5
300	1500	0.68	32	33	18	27.5	272	816	400	0.8	FYT30K684G342GL5
300	1500	0.82	32	37	22	27.5	328	984	400	0.8	FYT30K824G402GL5
300	1500	1	32	37	22	27.5	400	1200	400	0.8	FYT30K105G402GL5
300	1500	0.47	42	24	13	37.5	141	423	300	1.0	FYT30K474K112KL5
300	1500	0.68	42	28	17	37.5	204	612	300	1.0	FYT30K684K172KL5
300	1500	0.82	42	32	19	37.5	246	738	300	1.0	FYT30K824K212KL5
300	1500	1	42	40	20	37.5	300	900	300	1.0	FYT30K105K242KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C11	13	9	4	1,200	1,848	840
	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6		612	350
	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F27	26	22	12		300	170
	F36	26	25	15		240	140
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G21	32	22	13		230	160
	G26	32	28	14		220	150
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90
37.5	K11	42	24	13		161	
	K17	42	28	17		126	
	K21	42	32	19		112	
	K24	42	40	20		105	

Overview

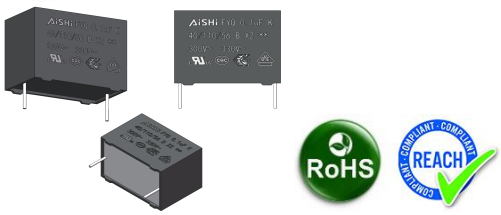
The FYQ series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0. This FYQ series robustness design is suitable for harsh environmental, qualify in accordance to AEC-Q200 requirement.

Applications

Use in EMI filter in line-to-ground and line-by-pass applications requiring Y2 safety classification. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Suitable for harsh enviroment conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{RAC})
- Automotive Grade (AEC-Q200D)



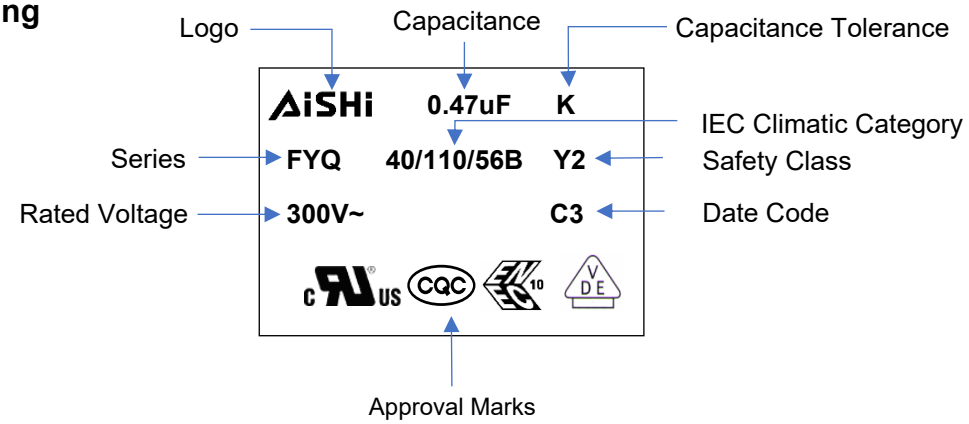
Applicable Standard

Approval	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	E500538
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40052687
	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	CQC20001280148

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	300Vac
Capacitance Range	0.001μF to 1.0μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	0.0020 (0.2%) at 20°C, 1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Part Number System

F	YQ	30	K	474	G33	2GL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class Y2, AEC-Q200 Type, Metallized PP Film	30=300	K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

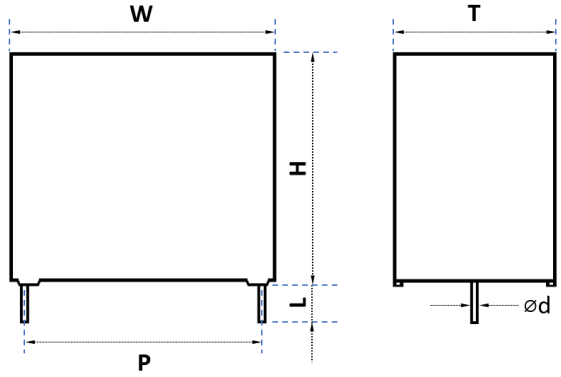
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	N/A	N	N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

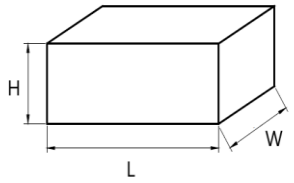
Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C11	13	0.5	9	0.5	4	0.5	10	0.5	0.6	0.05
C13	13	0.5	11	0.5	5	0.5	10	0.5	0.6	0.05
C16	13	0.5	12	0.5	6	0.5	10	0.5	0.6	0.05
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.6	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
F36	26	0.5	25	0.5	15	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05
K11	42	1.0	24	1.0	13	1.0	37.5	0.5	1.0	0.05
K17	42	1.0	28	1.0	17	1.0	37.5	0.5	1.0	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	1.0	0.05
K24	42	1.0	40	1.0	20	1.0	37.5	0.5	1.2	0.05

Rating and Part Number

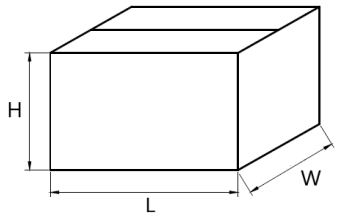
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
300	1500	0.001	13	9	4	10	0.8	2.4	800	0.6	FYQ30K102C112CL5
300	1500	0.0015	13	9	4	10	1.2	3.6	800	0.6	FYQ30K152C112CL5
300	1500	0.0022	13	9	4	10	1.76	5.28	800	0.6	FYQ30K222C112CL5
300	1500	0.0033	13	11	5	10	2.64	7.92	800	0.6	FYQ30K332C132CL5
300	1500	0.0047	13	11	5	10	3.76	11.28	800	0.6	FYQ30K472C132CL5
300	1500	0.0047	13	12	6	10	3.76	11.28	800	0.6	FYQ30K472C162CL5
300	1500	0.0068	13	12	6	10	5.44	16.32	800	0.6	FYQ30K682C162CL5
300	1500	0.01	13	12	6	10	8	24	800	0.6	FYQ30K103C162CL5
300	1500	0.015	13	12	6	10	12	36	800	0.6	FYQ30K153C162CL5
300	1500	0.0047	18	11	5	15	2.82	8.46	600	0.6	FYQ30K472E142EL5
300	1500	0.0056	18	11	5	15	3.36	10.08	600	0.6	FYQ30K562E142EL5
300	1500	0.0068	18	11	5	15	4.08	12.24	600	0.6	FYQ30K682E142EL5
300	1500	0.0082	18	11	5	15	4.92	14.76	600	0.6	FYQ30K822E142EL5
300	1500	0.01	18	11	5	15	6	18	600	0.6	FYQ30K103E142EL5
300	1500	0.015	18	11	5	15	9	27	600	0.6	FYQ30K153E142EL5
300	1500	0.018	18	12	6	15	10.8	32.4	600	0.6	FYQ30K183E172EL5
300	1500	0.022	18	12	6	15	13.2	39.6	600	0.6	FYQ30K223E172EL5
300	1500	0.033	18	13.5	7.5	15	19.8	59.4	600	0.8	FYQ30K333E292EL5
300	1500	0.039	18	13.5	7.5	15	23.4	70.2	600	0.8	FYQ30K393E292EL5
300	1500	0.047	18	14.5	8.5	15	28.2	84.6	600	0.8	FYQ30K473E342EL5
300	1500	0.068	18	19	11	15	40.8	122.4	600	0.8	FYQ30K683E472EL5
300	1500	0.082	18	19	11	15	49.2	147.6	600	0.8	FYQ30K823E472EL5
300	1500	0.047	26	15.5	6	22.5	23.5	70.5	500	0.6	FYQ30K473F142FL5
300	1500	0.056	26	15.5	6	22.5	28	84	500	0.6	FYQ30K563F142FL5
300	1500	0.068	26	16.5	7	22.5	34	102	500	0.8	FYQ30K683F172FL5
300	1500	0.082	26	16.5	7	22.5	41	123	500	0.8	FYQ30K823F172FL5
300	1500	0.1	26	17	8.5	22.5	50	150	500	0.8	FYQ30K104F202FL5
300	1500	0.15	26	19	10	22.5	75	225	500	0.8	FYQ30K154F242FL5
300	1500	0.22	26	22	12	22.5	110	330	500	0.8	FYQ30K224F272FL5
300	1500	0.33	26	25	15	22.5	165	495	500	0.8	FYQ30K334F362FL5
300	1500	0.1	32	18	9	27.5	40	120	400	0.8	FYQ30K104G152GL5
300	1500	0.15	32	18	9	27.5	60	180	400	0.8	FYQ30K154G152GL5
300	1500	0.18	32	20	11	27.5	72	216	400	0.8	FYQ30K184G182GL5
300	1500	0.22	32	20	11	27.5	88	264	400	0.8	FYQ30K224G182GL5
300	1500	0.27	32	22	13	27.5	108	324	400	0.8	FYQ30K274G212GL5
300	1500	0.33	32	28	14	27.5	132	396	400	0.8	FYQ30K334G262GL5
300	1500	0.33	32	22	13	27.5	132	396	400	0.8	FYQ30M334G212GL5
300	1500	0.47	32	28	18	27.5	188	564	400	0.8	FYQ30K474G332GL5
300	1500	0.56	32	33	18	27.5	224	672	400	0.8	FYQ30K564G342GL5
300	1500	0.68	32	33	18	27.5	272	816	400	0.8	FYQ30K684G342GL5
300	1500	0.82	32	37	22	27.5	328	984	400	0.8	FYQ30K824G402GL5
300	1500	1	32	37	22	27.5	400	1200	400	0.8	FYQ30K105G402GL5
300	1500	0.47	42	24	13	37.5	141	423	300	1.0	FYQ30K474K112KL5
300	1500	0.68	42	28	17	37.5	204	612	300	1.0	FYQ30K684K172KL5
300	1500	0.82	42	32	19	37.5	246	738	300	1.0	FYQ30K824K212KL5
300	1500	1	42	40	20	37.5	300	900	300	1.0	FYQ30K105K242KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C11	13	9	4	1,200	1,848	840
	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6		612	350
	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F27	26	22	12		300	170
	F36	26	25	15		240	140
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G21	32	22	13		230	160
	G26	32	28	14		220	150
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90
37.5	K11	42	24	13		161	
	K17	42	28	17		126	
	K21	42	32	19		112	
	K24	42	40	20		105	

Overview

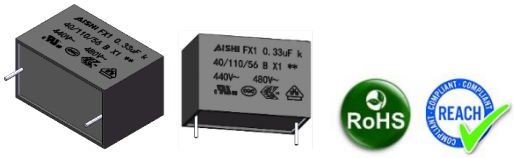
The FX1 series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0.

Applications

For use as an electromagnetic interference (EMI) suppression filter in across-the-line applications that require X1 safety classification. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin



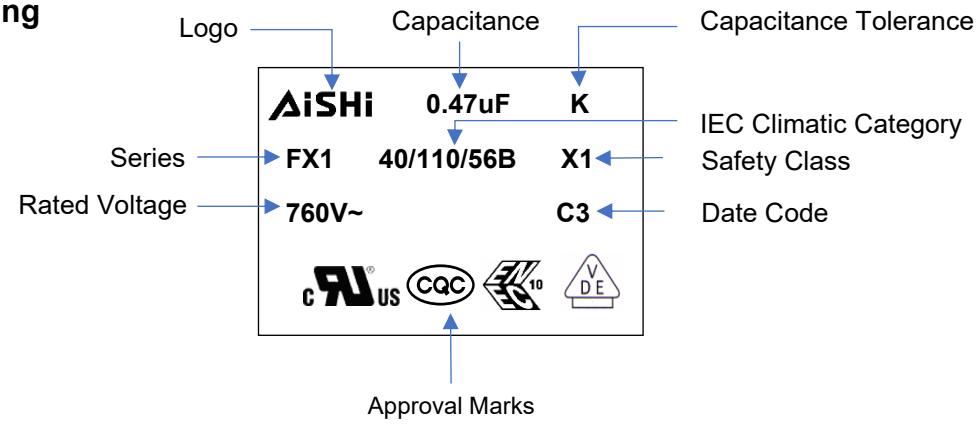
Applicable Standard

Approval	Standard	File Number
c UL us	UL 60384-14 CAN/CSA-E60384-14	E500538
IEC 10 DVE	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40052137
CQC	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	CQC20001281016 (350~480Vac) CQC20001281018 (530~760Vac)

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	350Vac, 440/480Vac, 530Vac, 760Vac 50/60Hz
Capacitance Range	0.0047μF to 5.6μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	$\leq 10 \times 10^{-4}$ C < 0.47μF $\leq 20 \times 10^{-4}$ 0.47μF ≤ C ≤ 1.0μF $\leq 30 \times 10^{-4}$ C > 1.0μF
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	X1	76	K	474	K13	2EL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class X1, EMI Capacitor, Metallized PP Film	35=350 44=440 48=480 53=530 60=600 76=760	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

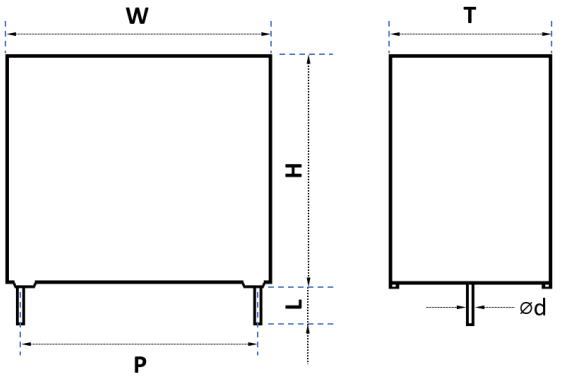
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	12.5mm	D	7.5mm	C
2 leads for forming cut	E	15.0mm	E	10.2mm	B
4 leads for straight cut	4	22.5mm	F	12.7mm	G
Taping	T	27.5mm	G	20.3mm	D
Taping Straight	V	37.5mm	K	N/A	L
		57.5mm	M		
		N/A	N		

Lead Length Code

Lead Length	
20mm min	L
35mm min	B
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E14	18.0	0.5	11.0	0.5	5.0	0.5	15.0	0.5	0.6	0.05
E17	18.0	0.5	12.0	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E29	18.0	0.5	13.5	0.5	7.5	0.5	15.0	0.5	0.8	0.05
E34	18.0	0.5	14.5	0.5	8.5	0.5	15.0	0.5	0.8	0.05
E39	18.0	0.5	18.0	0.5	9.0	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05
E52	18.0	0.5	22.0	0.5	12.5	0.5	15.0	0.5	0.8	0.05
F14	26.0	0.5	15.5	0.5	6.0	0.5	22.5	0.5	0.8	0.05
F17	26.0	0.5	16.5	0.5	7.0	0.5	22.5	0.5	0.8	0.05
F20	26.0	0.5	17.0	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26.0	0.5	19.0	0.5	10.0	0.5	22.5	0.5	0.8	0.05
F26	26.0	0.5	20.0	0.5	11.0	0.5	22.5	0.5	0.8	0.05
F27	26.0	0.5	22.0	0.5	12.0	0.5	22.5	0.5	0.8	0.05
F29	26.0	0.5	23.0	0.5	13.0	0.5	22.5	0.5	0.8	0.05
F30	26.0	0.5	24.5	0.5	13.0	0.5	22.5	0.5	0.8	0.05
F34	26.0	0.5	29.5	0.5	14.5	0.5	22.5	0.5	0.8	0.05
F36	26.0	0.5	25.0	0.5	15.0	0.5	22.5	0.5	0.8	0.05

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
G15	32.0	0.8	18.0	0.8	9.0	0.8	27.5	0.5	0.8	0.05
G18	32.0	0.8	20.0	0.8	11.0	0.8	27.5	0.5	0.8	0.05
G21	32.0	0.8	22.0	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G22	32.0	0.8	24.5	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G26	32.0	0.8	28.0	0.8	14.0	0.8	27.5	0.5	0.8	0.05
G27	32.0	0.8	24.5	0.8	15.0	0.8	27.5	0.5	0.8	0.05
G32	32.0	0.8	30.0	0.8	16.0	0.8	27.5	0.5	0.8	0.05
G33	32.0	0.8	28.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G34	32.0	0.8	33.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G40	32.0	0.8	37.0	0.8	22.0	0.8	27.5	0.5	0.8	0.05
K11	42.0	1.0	24.0	1.0	13.0	1.0	37.5	0.5	1.0	0.05
K13	42.0	1.0	26.0	1.0	15.0	1.0	37.5	0.5	1.0	0.05
K18	42.0	1.0	29.0	1.0	17.0	1.0	37.5	0.5	1.0	0.05
K21	42.0	1.0	32.0	1.0	19.0	1.0	37.5	0.5	1.0	0.05
K24	42.0	1.0	40.0	1.0	20.0	1.0	37.5	0.5	1.2	0.05
K27	42.0	1.0	37.0	1.0	22.0	1.0	37.5	0.5	1.2	0.05
K32	42.0	1.0	44.0	1.0	24.0	1.0	37.5	0.5	1.2	0.05
K39	42.0	1.0	43.0	1.0	28.0	1.0	37.5	0.5	1.2	0.05
K42	42.0	1.0	45.0	1.0	30.0	1.0	37.5	0.5	1.2	0.05
K47	42.0	1.0	50.0	1.0	35.0	1.0	37.5	0.5	1.2	0.05
K82	42.0	1.0	32.0	1.0	17.0	1.0	37.5	0.5	1.0	0.05

Rating and Part Number

Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
350	700	0.01	18	11	5	15	5	15	500	0.6	FX135K103E142EL5
350	700	0.022	18	11	5	15	11	33	500	0.6	FX135K223E142EL5
350	700	0.033	18	11	5	15	16.5	49.5	500	0.6	FX135K333E142EL5
350	700	0.047	18	11	5	15	23.5	70.5	500	0.6	FX135K473E142EL5
350	700	0.068	18	12	6	15	34	102	500	0.6	FX135K683E172EL5
350	700	0.1	18	13.5	7.5	15	50	150	500	0.8	FX135K104E292EL5
350	700	0.15	18	14.5	8.5	15	75	225	500	0.8	FX135K154E342EL5
350	700	0.22	18	16	10	15	110	330	500	0.8	FX135K224E432EL5
350	700	0.33	18	19	11	15	165	495	500	0.8	FX135K334E472EL5
350	700	0.047	26	15.5	6	22.5	18.8	56.4	400	0.6	FX135K473F142FL5
350	700	0.068	26	15.5	6	22.5	27.2	81.6	400	0.6	FX135K683F142FL5
350	700	0.1	26	15.5	6	22.5	40	120	400	0.6	FX135K104F142FL5
350	700	0.15	26	15.5	6	22.5	60	180	400	0.6	FX135K154F142FL5
350	700	0.22	26	16.5	7	22.5	88	264	400	0.8	FX135K224F172FL5
350	700	0.33	26	17	8.5	22.5	132	396	400	0.8	FX135K334F202FL5
350	700	0.47	26	19	10	22.5	188	564	400	0.8	FX135K474F242FL5
350	700	0.68	26	22	12	22.5	272	816	400	0.8	FX135K684F272FL5
350	700	1	26	25	15	22.5	400	1200	400	0.8	FX135K105F362FL5
350	700	0.15	32	18	9	27.5	30	90	200	0.8	FX135K154G152GL5
350	700	0.22	32	18	9	27.5	44	132	200	0.8	FX135K224G152GL5
350	700	0.33	32	18	9	27.5	66	198	200	0.8	FX135K334G152GL5
350	700	0.47	32	18	9	27.5	94	282	200	0.8	FX135K474G152GL5
350	700	0.68	32	20	11	27.5	136	408	200	0.8	FX135K684G182GL5
350	700	1	32	22	13	27.5	200	600	200	0.8	FX135K105G212GL5
350	700	1.2	32	28	14	27.5	240	720	200	0.8	FX135K125G262GL5
350	700	1.5	32	30	16	27.5	300	900	200	0.8	FX135K155G322GL5
350	700	2.2	32	33	18	27.5	440	1320	200	0.8	FX135K225G342GL5
350	700	3.3	32	37	22	27.5	660	1980	200	0.8	FX135K335G402GL5
350	700	1	42	24	13	37.5	100	300	100	1.0	FX135K105K112KL5
350	700	1.2	42	24	13	37.5	120	360	100	1.0	FX135K125K112KL5
350	700	1.5	42	26	15	37.5	150	450	100	1.0	FX135K155K132KL5
350	700	1.8	42	26	15	37.5	180	540	100	1.0	FX135K185K132KL5
350	700	2.2	42	30	17	37.5	220	660	100	1.0	FX135K225K182KL5
350	700	2.7	42	32	19	37.5	270	810	100	1.0	FX135K275K212KL5
350	700	3.3	42	32	19	37.5	330	990	100	1.0	FX135K335K212KL5
350	700	4.7	42	37	22	37.5	470	1410	100	1.0	FX135K475K272KL5
350	700	5.6	42	44	24	37.5	560	1680	100	1.0	FX135K565K322KL5

Rating and Part Number

Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
480	1000	0.01	18	11	5	15	6	18	600	0.6	FX148K103E142EL5
480	1000	0.015	18	11	5	15	9	27	600	0.6	FX148K153E142EL5
480	1000	0.018	18	11	5	15	10.8	32.4	600	0.6	FX148K183E142EL5
480	1000	0.022	18	11	5	15	13.2	39.6	600	0.6	FX148K223E142EL5
480	1000	0.033	18	11	5	15	19.8	59.4	600	0.6	FX148K333E142EL5
480	1000	0.047	18	12	6	15	28.2	84.6	600	0.6	FX148K473E172EL5
480	1000	0.068	18	13.5	7.5	15	40.8	122.4	600	0.8	FX148K683E292EL5
480	1000	0.1	18	14.5	8.5	15	60	180	600	0.8	FX148K104E342EL5
480	1000	0.15	18	19	11	15	90	270	600	0.8	FX148K154E472EL5
480	1000	0.22	18	22	12.5	15	132	396	600	0.8	FX148K224E522EL5
480	1000	0.047	26	15.5	6	22.5	14.1	42.3	300	0.6	FX148K473F142FL5
480	1000	0.056	26	15.5	6	22.5	16.8	50.4	300	0.6	FX148K563F142FL5
480	1000	0.068	26	15.5	6	22.5	20.4	61.2	300	0.6	FX148K683F142FL5
480	1000	0.082	26	15.5	6	22.5	24.6	73.8	300	0.6	FX148K823F142FL5
480	1000	0.1	26	15.5	6	22.5	30	90	300	0.6	FX148K104F142FL5
480	1000	0.15	26	16.5	7	22.5	45	135	300	0.8	FX148K154F172FL5
480	1000	0.22	26	17	8.5	22.5	66	198	300	0.8	FX148K224F202FL5
480	1000	0.33	26	20	11	22.5	99	297	300	0.8	FX148K334F262FL5
480	1000	0.47	26	24.5	13	22.5	141	423	300	0.8	FX148K474F302FL5
480	1000	0.56	26	25	15	22.5	168	504	300	0.8	FX148K564F362FL5
480	1000	0.68	26	29.5	14.5	22.5	204	612	300	0.8	FX148K684F342FL5
480	1000	0.15	32	18	9	27.5	30	90	200	0.8	FX148K154G152GL5
480	1000	0.22	32	18	9	27.5	44	132	200	0.8	FX148K224G152GL5
480	1000	0.33	32	18	9	27.5	66	198	200	0.8	FX148K334G152GL5
480	1000	0.47	32	20	11	27.5	94	282	200	0.8	FX148K474G182GL5
480	1000	0.56	32	22	13	27.5	112	336	200	0.8	FX148K564G212GL5
480	1000	0.68	32	24.5	13	27.5	136	408	200	0.8	FX148K684G222GL5
480	1000	0.82	32	28	14	27.5	164	492	200	0.8	FX148K824G262GL5
480	1000	1	32	28	18	27.5	200	600	200	0.8	FX148K105G332GL5
480	1000	1.2	32	33	18	27.5	240	720	200	0.8	FX148K125G342GL5
480	1000	1.5	32	33	18	27.5	300	900	200	0.8	FX148K155G342GL5
480	1000	1.8	32	37	22	27.5	360	1080	200	0.8	FX148K185G402GL5
480	1000	0.47	42	24	13	37.5	70.5	211.5	150	1.0	FX148K474K112KL5
480	1000	0.56	42	24	13	37.5	84	252	150	1.0	FX148K564K112KL5
480	1000	0.68	42	24	13	37.5	102	306	150	1.0	FX148K684K112KL5
480	1000	0.82	42	24	13	37.5	123	369	150	1.0	FX148K824K112KL5
480	1000	1	42	24	13	37.5	150	450	150	1.0	FX148K105K112KL5
480	1000	1.2	42	26	15	37.5	180	540	150	1.0	FX148K125K132KL5
480	1000	1.5	42	30	17	37.5	225	675	150	1.0	FX148K155K182KL5
480	1000	1.8	42	32	17	37.5	270	810	150	1.0	FX148K185K822KL5
480	1000	2.2	42	32	19	37.5	330	990	150	1.0	FX148K225K212KL5
480	1000	2.7	42	37	22	37.5	405	1215	150	1.0	FX148K275K272KL5
480	1000	3.3	42	44	24	37.5	495	1485	150	1.0	FX148K335K322KL5
480	1000	3.9	42	43	28	37.5	585	1755	150	1.0	FX148K395K392KL5
480	1000	4.7	42	45	30	37.5	705	2115	150	1.0	FX148K475K422KL5
480	1000	5.6	42	50	35	37.5	840	2520	150	1.0	FX148K565K472KL5

Rating and Part Number

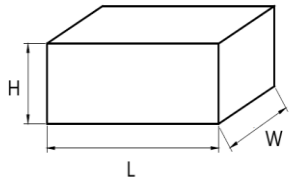
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
530	1100	0.0068	18	11	5	15	4.08	12.24	600	0.6	FX153K682E142EL5
530	1100	0.0082	18	11	5	15	4.92	14.76	600	0.6	FX153K822E142EL5
530	1100	0.01	18	11	5	15	6	18	600	0.6	FX153K103E142EL5
530	1100	0.022	18	12	6	15	13.2	39.6	600	0.6	FX153K223E172EL5
530	1100	0.033	18	13.5	7.5	15	19.8	59.4	600	0.8	FX153K334E292EL5
530	1100	0.047	18	14.5	8.5	15	28.2	84.6	600	0.8	FX153K473E342EL5
530	1100	0.056	18	14.5	8.5	15	33.6	100.8	600	0.8	FX153K563E342EL5
530	1100	0.068	18	18	9	15	40.8	122.4	600	0.8	FX153K683E392EL5
530	1100	0.1	18	19	11	15	60	180	600	0.8	FX153K104E472EL5
530	1100	0.033	26	15.5	6	22.5	9.9	29.7	300	0.6	FX153K333F142FL5
530	1100	0.047	26	15.5	6	22.5	14.1	42.3	300	0.6	FX153K473F142FL5
530	1100	0.056	26	15.5	6	22.5	16.8	50.4	300	0.6	FX153K563F142FL5
530	1100	0.068	26	15.5	6	22.5	20.4	61.2	300	0.6	FX153K683F142FL5
530	1100	0.082	26	15.5	6	22.5	24.6	73.8	300	0.6	FX153M823F142FL5
530	1100	0.1	26	16.5	7	22.5	30	90	300	0.8	FX153K104F172FL5
530	1100	0.15	26	17	8.5	22.5	45	135	300	0.8	FX153K154F202FL5
530	1100	0.22	26	19	10	22.5	66	198	300	0.8	FX153K224F242FL5
530	1100	0.33	26	22	12	22.5	99	297	300	0.8	FX153K334F272FL5
530	1100	0.47	26	29.5	14.5	22.5	141	423	300	0.8	FX153K474F342FL5
530	1100	0.15	32	20	11	27.5	30	90	200	0.8	FX153K154G182GL5
530	1100	0.22	32	20	11	27.5	44	132	200	0.8	FX153K224G182GL5
530	1100	0.33	32	20	11	27.5	66	198	200	0.8	FX153K334G182GL5
530	1100	0.47	32	22	13	27.5	94	282	200	0.8	FX153K474G212GL5
530	1100	0.47	32	24.5	13	27.5	94	282	200	0.8	FX153K474G222GL5
530	1100	0.56	32	24.5	13	27.5	112	336	200	0.8	FX153K564G222GL5
530	1100	0.68	32	24.5	15	27.5	136	408	200	0.8	FX153K684G272GL5
530	1100	0.68	32	28	18	27.5	136	408	200	0.8	FX153K684G332GL5
530	1100	0.82	32	28	18	27.5	164	492	200	0.8	FX153K824G332GL5
530	1100	1	32	33	18	27.5	200	600	200	0.8	FX153K105G342GL5
530	1100	1.5	32	37	22	27.5	300	900	200	0.8	FX153K155G402GL5
530	1100	1.8	32	37	22	27.5	360	1080	200	0.8	FX153M185G402GL5
530	1100	0.56	42	24	13	37.5	84	252	150	1.0	FX153K564K112KL5
530	1100	0.68	42	24	13	37.5	102	306	150	1.0	FX153K684K112KL5
530	1100	0.82	42	26	15	37.5	123	369	150	1.0	FX153K824K132KL5
530	1100	1	42	26	15	37.5	150	450	150	1.0	FX153K105K132KL5
530	1100	1	42	30	17	37.5	150	450	150	1.0	FX153K105K182KL5
530	1100	1.5	42	32	17	37.5	225	675	150	1.0	FX153M155K822KL5
530	1100	2	42	40	20	37.5	300	900	150	1.0	FX153K205K242KL5

Rating and Part Number

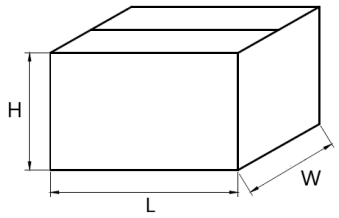
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
760	1500	0.0047	18	11	5	15	3.055	9.165	650	0.6	FX176K472E142EL5
760	1500	0.0056	18	11	5	15	3.64	10.92	650	0.6	FX176K562E142EL5
760	1500	0.0068	18	11	5	15	4.42	13.26	650	0.6	FX176K682E142EL5
760	1500	0.0082	18	11	5	15	5.33	15.99	650	0.6	FX176K822E142EL5
760	1500	0.01	18	11	5	15	6.5	19.5	650	0.6	FX176K103E142EL5
760	1500	0.012	18	12	6	15	7.8	23.4	650	0.6	FX176K123E172EL5
760	1500	0.015	18	12	6	15	9.75	29.25	650	0.6	FX176K153E172EL5
760	1500	0.022	18	13.5	7.5	15	14.3	42.9	650	0.8	FX176K223E292EL5
760	1500	0.033	18	14.5	8.5	15	21.45	64.35	650	0.8	FX176K333E342EL5
760	1500	0.047	18	19	11	15	30.55	91.65	650	0.8	FX176K473E472EL5
760	1500	0.01	26	15.5	6	22.5	3.5	10.5	350	0.6	FX176K103F142FL5
760	1500	0.012	26	15.5	6	22.5	4.2	12.6	350	0.6	FX176K123F142FL5
760	1500	0.015	26	15.5	6	22.5	5.25	15.75	350	0.6	FX176K153F142FL5
760	1500	0.018	26	15.5	6	22.5	6.3	18.9	350	0.6	FX176K183F142FL5
760	1500	0.022	26	15.5	6	22.5	7.7	23.1	350	0.6	FX176K223F142FL5
760	1500	0.027	26	15.5	6	22.5	9.45	28.35	350	0.6	FX176K273F142FL5
760	1500	0.033	26	15.5	6	22.5	11.55	34.65	350	0.6	FX176K333F142FL5
760	1500	0.047	26	15.5	6	22.5	16.45	49.35	350	0.6	FX176K473F142FL5
760	1500	0.056	26	16.5	7	22.5	19.6	58.8	350	0.8	FX176K563F172FL5
760	1500	0.068	26	16.5	7	22.5	23.8	71.4	350	0.8	FX176K683F172FL5
760	1500	0.082	26	17	8.5	22.5	28.7	86.1	350	0.8	FX176K823F202FL5
760	1500	0.1	26	19	10	22.5	35	105	350	0.8	FX176K104F242FL5
760	1500	0.12	26	19	10	22.5	42	126	350	0.8	FX176K124F242FL5
760	1500	0.15	26	19	10	22.5	52.5	157.5	350	0.8	FX176K154F242FL5
760	1500	0.22	26	23	13	22.5	77	231	350	0.8	FX176K224F292FL5
760	1500	0.33	26	29.5	14.5	22.5	115.5	346.5	350	0.8	FX176K334F342FL5
760	1500	0.056	32	18	9	27.5	19.6	58.8	350	0.8	FX176K563G152GL5
760	1500	0.068	32	18	9	27.5	17	51	250	0.8	FX176K683G152GL5
760	1500	0.082	32	18	9	27.5	20.5	61.5	250	0.8	FX176K823G152GL5
760	1500	0.1	32	18	9	27.5	25	75	250	0.8	FX176K104G152GL5
760	1500	0.15	32	20	11	27.5	37.5	112.5	250	0.8	FX176K154G182GL5
760	1500	0.22	32	22	13	27.5	55	165	250	0.8	FX176K224G212GL5
760	1500	0.33	32	24.5	15	27.5	82.5	247.5	250	0.8	FX176K334G272GL5
760	1500	0.39	32	28	18	27.5	97.5	292.5	250	0.8	FX176K394G332GL5
760	1500	0.47	32	33	18	27.5	117.5	352.5	250	0.8	FX176K474G342GL5
760	1500	0.56	32	33	18	27.5	140	420	250	0.8	FX176K564G342GL5
760	1500	0.68	32	37	22	27.5	170	510	250	0.8	FX176K684G402GL5
760	1500	0.33	42	24	13	37.5	66	198	200	1.0	FX176K334K112KL5
760	1500	0.39	42	24	13	37.5	78	234	200	1.0	FX176K394K112KL5
760	1500	0.47	42	26	15	37.5	94	282	200	1.0	FX176K474K132KL5
760	1500	0.56	42	30	17	37.5	112	336	200	1.0	FX176K564K182KL5
760	1500	0.68	42	30	17	37.5	136	408	200	1.0	FX176K684K182KL5
760	1500	0.82	42	32	19	37.5	164	492	200	1.0	FX176K824K212KL5
760	1500	1	42	32	19	37.5	200	600	200	1.0	FX176K105K212KL5
760	1500	1.2	42	37	22	37.5	240	720	200	1.0	FX176K125K272KL5
760	1500	1.5	42	44	24	37.5	300	900	200	1.0	FX176K155K322KL5
760	1500	1.8	42	43	28	37.5	360	1080	200	1.0	FX176K185K392KL5
760	1500	2	42	45	30	37.5	400	1200	200	1.0	FX176K205K422KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E39	18	18	9	600	578	370
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
	E52	18	22	12.5	600	408	260
22.5	F14	26	15.5	6		612	350
	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F26	26	20	11		336	190
	F27	26	22	12		300	170
	F29	26	23	13		276	160
	F30	26	24.5	13		276	160
	F34	26	29.5	14.5		252	140
	F36	26	25	15		240	140

Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G21	32	22	13		230	160
	G22	32	24.5	13		230	160
	G26	32	28	14		220	150
	G27	32	24.5	15		200	140
	G32	32	30	16		190	130
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90
	K11	42	24	13		161	
	K13	42	26	15		140	
	K18	42	29	17		126	
	K21	42	32	19		112	
	K24	42	40	20		105	
	K27	42	37	22		98	
	K32	42	44	24		91	
	K39	42	43	28		77	
	K42	42	45	30		70	
	K47	42	50	35		63	
	K82	42	32	17		126	

Overview

The FXG series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0. This FXG series robustness design is suitable for high humidity and high temperature environmental and compliant to THB Grade IIIB.

Applications

For use as an electromagnetic interference (EMI) suppression filter in across-the-line applications that require X1 safety classification. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Suitable for harsh enviroment conditions
- THB Grade IIIB
  (85°C 85%RH 1.0Un for 1000 hours)

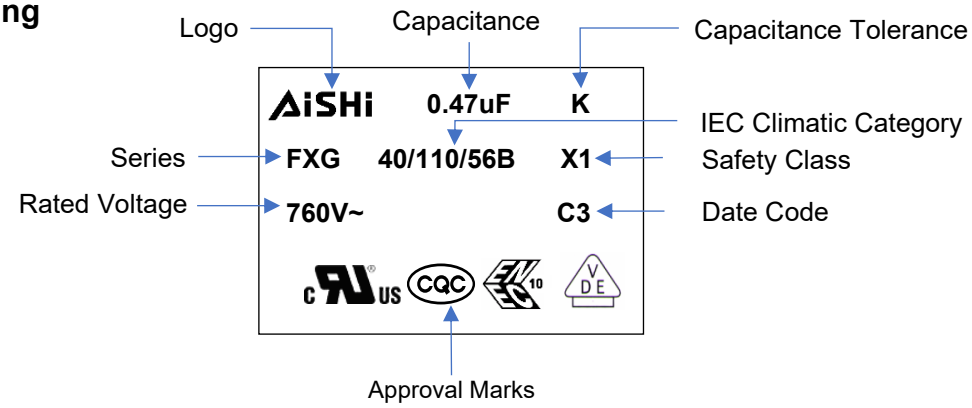
Applicable Standard

Approval	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	E500538
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40052137
	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	CQC20001281016 (350~480Vac) CQC20001281018 (530~760Vac)

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	350Vac, 440/480Vac, 530Vac, 760Vac 50/60Hz
Capacitance Range	0.0047μF to 5.6μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	$\leq 10 \times 10^{-4}$ C < 0.47μF $\leq 20 \times 10^{-4}$ 0.47μF ≤ C ≤ 1.0μF $\leq 30 \times 10^{-4}$ C > 1.0μF
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Part Number System

F	XG	76	K	474	K13	2EL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	X1, THB Type, Metallized PP Film	35=350 44=440 48=480 53=530 60=600 76=760	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

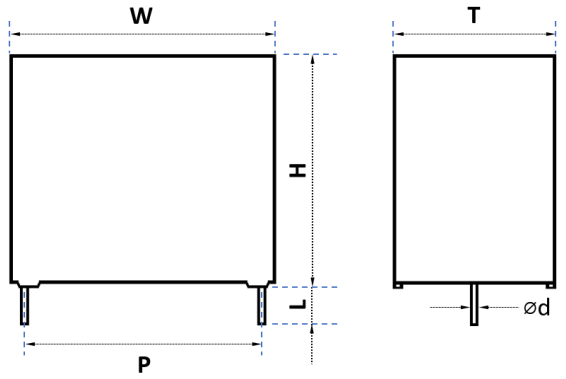
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	12.5mm	D	7.5mm	C
2 leads for forming cut	E	15.0mm	E	10.2mm	B
4 leads for straight cut	4	22.5mm	F	12.7mm	G
Taping	T	27.5mm	G	20.3mm	D
Taping Straight	V	37.5mm	K	N/A	L
		57.5mm	M		
		N/A	N		

Lead Length Code

Lead Length	
20mm min	L
35mm min	B
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E14	18.0	0.5	11.0	0.5	5.0	0.5	15.0	0.5	0.6	0.05
E17	18.0	0.5	12.0	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E29	18.0	0.5	13.5	0.5	7.5	0.5	15.0	0.5	0.8	0.05
E34	18.0	0.5	14.5	0.5	8.5	0.5	15.0	0.5	0.8	0.05
E39	18.0	0.5	18.0	0.5	9.0	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05
E52	18.0	0.5	22.0	0.5	12.5	0.5	15.0	0.5	0.8	0.05
F14	26.0	0.5	15.5	0.5	6.0	0.5	22.5	0.5	0.8	0.05
F17	26.0	0.5	16.5	0.5	7.0	0.5	22.5	0.5	0.8	0.05
F20	26.0	0.5	17.0	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26.0	0.5	19.0	0.5	10.0	0.5	22.5	0.5	0.8	0.05
F26	26.0	0.5	20.0	0.5	11.0	0.5	22.5	0.5	0.8	0.05
F27	26.0	0.5	22.0	0.5	12.0	0.5	22.5	0.5	0.8	0.05
F29	26.0	0.5	23.0	0.5	13.0	0.5	22.5	0.5	0.8	0.05
F30	26.0	0.5	24.5	0.5	13.0	0.5	22.5	0.5	0.8	0.05
F34	26.0	0.5	29.5	0.5	14.5	0.5	22.5	0.5	0.8	0.05
F36	26.0	0.5	25.0	0.5	15.0	0.5	22.5	0.5	0.8	0.05

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
G15	32.0	0.8	18.0	0.8	9.0	0.8	27.5	0.5	0.8	0.05
G18	32.0	0.8	20.0	0.8	11.0	0.8	27.5	0.5	0.8	0.05
G21	32.0	0.8	22.0	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G22	32.0	0.8	24.5	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G26	32.0	0.8	28.0	0.8	14.0	0.8	27.5	0.5	0.8	0.05
G27	32.0	0.8	24.5	0.8	15.0	0.8	27.5	0.5	0.8	0.05
G32	32.0	0.8	30.0	0.8	16.0	0.8	27.5	0.5	0.8	0.05
G33	32.0	0.8	28.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G34	32.0	0.8	33.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G40	32.0	0.8	37.0	0.8	22.0	0.8	27.5	0.5	0.8	0.05
K11	42.0	1.0	24.0	1.0	13.0	1.0	37.5	0.5	1.0	0.05
K13	42.0	1.0	26.0	1.0	15.0	1.0	37.5	0.5	1.0	0.05
K18	42.0	1.0	29.0	1.0	17.0	1.0	37.5	0.5	1.0	0.05
K21	42.0	1.0	32.0	1.0	19.0	1.0	37.5	0.5	1.0	0.05
K24	42.0	1.0	40.0	1.0	20.0	1.0	37.5	0.5	1.2	0.05
K27	42.0	1.0	37.0	1.0	22.0	1.0	37.5	0.5	1.2	0.05
K32	42.0	1.0	44.0	1.0	24.0	1.0	37.5	0.5	1.2	0.05
K39	42.0	1.0	43.0	1.0	28.0	1.0	37.5	0.5	1.2	0.05
K42	42.0	1.0	45.0	1.0	30.0	1.0	37.5	0.5	1.2	0.05
K47	42.0	1.0	50.0	1.0	35.0	1.0	37.5	0.5	1.2	0.05
K82	42.0	1.0	32.0	1.0	17.0	1.0	37.5	0.5	1.0	0.05

Rating and Part Number

Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
350	700	0.01	18	11	5	15	5	15	500	0.6	FXG35K103E142EL5
350	700	0.022	18	11	5	15	11	33	500	0.6	FXG35K223E142EL5
350	700	0.033	18	11	5	15	16.5	49.5	500	0.6	FXG35K333E142EL5
350	700	0.047	18	11	5	15	23.5	70.5	500	0.6	FXG35K473E142EL5
350	700	0.068	18	12	6	15	34	102	500	0.6	FXG35K683E172EL5
350	700	0.1	18	13.5	7.5	15	50	150	500	0.8	FXG35K104E292EL5
350	700	0.15	18	14.5	8.5	15	75	225	500	0.8	FXG35K154E342EL5
350	700	0.22	18	16	10	15	110	330	500	0.8	FXG35K224E432EL5
350	700	0.33	18	19	11	15	165	495	500	0.8	FXG35K334E472EL5
350	700	0.047	26	15.5	6	22.5	18.8	56.4	400	0.6	FXG35K473F142FL5
350	700	0.068	26	15.5	6	22.5	27.2	81.6	400	0.6	FXG35K683F142FL5
350	700	0.1	26	15.5	6	22.5	40	120	400	0.6	FXG35K104F142FL5
350	700	0.15	26	15.5	6	22.5	60	180	400	0.6	FXG35K154F142FL5
350	700	0.22	26	16.5	7	22.5	88	264	400	0.8	FXG35K224F172FL5
350	700	0.33	26	17	8.5	22.5	132	396	400	0.8	FXG35K334F202FL5
350	700	0.47	26	19	10	22.5	188	564	400	0.8	FXG35K474F242FL5
350	700	0.68	26	22	12	22.5	272	816	400	0.8	FXG35K684F272FL5
350	700	1	26	25	15	22.5	400	1200	400	0.8	FXG35K105F362FL5
350	700	0.15	32	18	9	27.5	30	90	200	0.8	FXG35K154G152GL5
350	700	0.22	32	18	9	27.5	44	132	200	0.8	FXG35K224G152GL5
350	700	0.33	32	18	9	27.5	66	198	200	0.8	FXG35K334G152GL5
350	700	0.47	32	18	9	27.5	94	282	200	0.8	FXG35K474G152GL5
350	700	0.68	32	20	11	27.5	136	408	200	0.8	FXG35K684G182GL5
350	700	1	32	22	13	27.5	200	600	200	0.8	FXG35K105G212GL5
350	700	1.2	32	28	14	27.5	240	720	200	0.8	FXG35K125G262GL5
350	700	1.5	32	30	16	27.5	300	900	200	0.8	FXG35K155G322GL5
350	700	2.2	32	33	18	27.5	440	1320	200	0.8	FXG35K225G342GL5
350	700	3.3	32	37	22	27.5	660	1980	200	0.8	FXG35K335G402GL5
350	700	1	42	24	13	37.5	100	300	100	1.0	FXG35K105K112KL5
350	700	1.2	42	24	13	37.5	120	360	100	1.0	FXG35K125K112KL5
350	700	1.5	42	26	15	37.5	150	450	100	1.0	FXG35K155K132KL5
350	700	1.8	42	26	15	37.5	180	540	100	1.0	FXG35K185K132KL5
350	700	2.2	42	30	17	37.5	220	660	100	1.0	FXG35K225K182KL5
350	700	2.7	42	32	19	37.5	270	810	100	1.0	FXG35K275K212KL5
350	700	3.3	42	32	19	37.5	330	990	100	1.0	FXG35K335K212KL5
350	700	4.7	42	37	22	37.5	470	1410	100	1.0	FXG35K475K272KL5
350	700	5.6	42	44	24	37.5	560	1680	100	1.0	FXG35K565K322KL5

Rating and Part Number

Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
480	1000	0.01	18	11	5	15	6	18	600	0.6	FXG48K103E142EL5
480	1000	0.015	18	11	5	15	9	27	600	0.6	FXG48K153E142EL5
480	1000	0.018	18	11	5	15	10.8	32.4	600	0.6	FXG48K183E142EL5
480	1000	0.022	18	11	5	15	13.2	39.6	600	0.6	FXG48K223E142EL5
480	1000	0.033	18	11	5	15	19.8	59.4	600	0.6	FXG48K333E142EL5
480	1000	0.047	18	12	6	15	28.2	84.6	600	0.6	FXG48K473E172EL5
480	1000	0.068	18	13.5	7.5	15	40.8	122.4	600	0.8	FXG48K683E292EL5
480	1000	0.1	18	14.5	8.5	15	60	180	600	0.8	FXG48K104E342EL5
480	1000	0.15	18	19	11	15	90	270	600	0.8	FXG48K154E472EL5
480	1000	0.22	18	22	12.5	15	132	396	600	0.8	FXG48K224E522EL5
480	1000	0.047	26	15.5	6	22.5	14.1	42.3	300	0.6	FXG48K473F142FL5
480	1000	0.056	26	15.5	6	22.5	16.8	50.4	300	0.6	FXG48K563F142FL5
480	1000	0.068	26	15.5	6	22.5	20.4	61.2	300	0.6	FXG48K683F142FL5
480	1000	0.082	26	15.5	6	22.5	24.6	73.8	300	0.6	FXG48K823F142FL5
480	1000	0.1	26	15.5	6	22.5	30	90	300	0.6	FXG48K104F142FL5
480	1000	0.15	26	16.5	7	22.5	45	135	300	0.8	FXG48K154F172FL5
480	1000	0.22	26	17	8.5	22.5	66	198	300	0.8	FXG48K224F202FL5
480	1000	0.33	26	20	11	22.5	99	297	300	0.8	FXG48K334F262FL5
480	1000	0.47	26	24.5	13	22.5	141	423	300	0.8	FXG48K474F302FL5
480	1000	0.56	26	25	15	22.5	168	504	300	0.8	FXG48K564F362FL5
480	1000	0.68	26	29.5	14.5	22.5	204	612	300	0.8	FXG48K684F342FL5
480	1000	0.15	32	18	9	27.5	30	90	200	0.8	FXG48K154G152GL5
480	1000	0.22	32	18	9	27.5	44	132	200	0.8	FXG48K224G152GL5
480	1000	0.33	32	18	9	27.5	66	198	200	0.8	FXG48K334G152GL5
480	1000	0.47	32	20	11	27.5	94	282	200	0.8	FXG48K474G182GL5
480	1000	0.56	32	22	13	27.5	112	336	200	0.8	FXG48K564G212GL5
480	1000	0.68	32	24.5	13	27.5	136	408	200	0.8	FXG48K684G222GL5
480	1000	0.82	32	28	14	27.5	164	492	200	0.8	FXG48K824G262GL5
480	1000	1	32	28	18	27.5	200	600	200	0.8	FXG48K105G332GL5
480	1000	1.2	32	33	18	27.5	240	720	200	0.8	FXG48K125G342GL5
480	1000	1.5	32	33	18	27.5	300	900	200	0.8	FXG48K155G342GL5
480	1000	1.8	32	37	22	27.5	360	1080	200	0.8	FXG48K185G402GL5
480	1000	0.47	42	24	13	37.5	70.5	211.5	150	1.0	FXG48K474K112KL5
480	1000	0.56	42	24	13	37.5	84	252	150	1.0	FXG48K564K112KL5
480	1000	0.68	42	24	13	37.5	102	306	150	1.0	FXG48K684K112KL5
480	1000	0.82	42	24	13	37.5	123	369	150	1.0	FXG48K824K112KL5
480	1000	1	42	24	13	37.5	150	450	150	1.0	FXG48K105K112KL5
480	1000	1.2	42	26	15	37.5	180	540	150	1.0	FXG48K125K132KL5
480	1000	1.5	42	30	17	37.5	225	675	150	1.0	FXG48K155K182KL5
480	1000	1.8	42	32	17	37.5	270	810	150	1.0	FXG48K185K822KL5
480	1000	2.2	42	32	19	37.5	330	990	150	1.0	FXG48K225K212KL5
480	1000	2.7	42	37	22	37.5	405	1215	150	1.0	FXG48K275K272KL5
480	1000	3.3	42	44	24	37.5	495	1485	150	1.0	FXG48K335K322KL5
480	1000	3.9	42	43	28	37.5	585	1755	150	1.0	FXG48K395K392KL5
480	1000	4.7	42	45	30	37.5	705	2115	150	1.0	FXG48K475K422KL5
480	1000	5.6	42	50	35	37.5	840	2520	150	1.0	FXG48K565K472KL5

Rating and Part Number

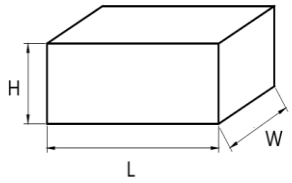
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		µF	mm	mm	mm	mm	A	A	V/us	mm	
530	1100	0.0068	18	11	5	15	4.08	12.24	600	0.6	FXG53K682E142EL5
530	1100	0.0082	18	11	5	15	4.92	14.76	600	0.6	FXG53K822E142EL5
530	1100	0.01	18	11	5	15	6	18	600	0.6	FXG53K103E142EL5
530	1100	0.022	18	12	6	15	13.2	39.6	600	0.6	FXG53K223E172EL5
530	1100	0.033	18	13.5	7.5	15	19.8	59.4	600	0.8	FXG53K334E292EL5
530	1100	0.047	18	14.5	8.5	15	28.2	84.6	600	0.8	FXG53K473E342EL5
530	1100	0.056	18	14.5	8.5	15	33.6	100.8	600	0.8	FXG53K563E342EL5
530	1100	0.068	18	18	9	15	40.8	122.4	600	0.8	FXG53K683E392EL5
530	1100	0.1	18	19	11	15	60	180	600	0.8	FXG53K104E472EL5
530	1100	0.033	26	15.5	6	22.5	9.9	29.7	300	0.6	FXG53K333F142FL5
530	1100	0.047	26	15.5	6	22.5	14.1	42.3	300	0.6	FXG53K473F142FL5
530	1100	0.056	26	15.5	6	22.5	16.8	50.4	300	0.6	FXG53K563F142FL5
530	1100	0.068	26	15.5	6	22.5	20.4	61.2	300	0.6	FXG53K683F142FL5
530	1100	0.082	26	15.5	6	22.5	24.6	73.8	300	0.6	FXG53M823F142FL5
530	1100	0.1	26	16.5	7	22.5	30	90	300	0.8	FXG53K104F172FL5
530	1100	0.15	26	17	8.5	22.5	45	135	300	0.8	FXG53K154F202FL5
530	1100	0.22	26	19	10	22.5	66	198	300	0.8	FXG53K224F242FL5
530	1100	0.33	26	22	12	22.5	99	297	300	0.8	FXG53K334F272FL5
530	1100	0.47	26	29.5	14.5	22.5	141	423	300	0.8	FXG53K474F342FL5
530	1100	0.15	32	20	11	27.5	30	90	200	0.8	FXG53K154G182GL5
530	1100	0.22	32	20	11	27.5	44	132	200	0.8	FXG53K224G182GL5
530	1100	0.33	32	20	11	27.5	66	198	200	0.8	FXG53K334G182GL5
530	1100	0.47	32	22	13	27.5	94	282	200	0.8	FXG53K474G212GL5
530	1100	0.47	32	24.5	13	27.5	94	282	200	0.8	FXG53K474G222GL5
530	1100	0.56	32	24.5	13	27.5	112	336	200	0.8	FXG53K564G222GL5
530	1100	0.68	32	24.5	15	27.5	136	408	200	0.8	FXG53K684G272GL5
530	1100	0.68	32	28	18	27.5	136	408	200	0.8	FXG53K684G332GL5
530	1100	0.82	32	28	18	27.5	164	492	200	0.8	FXG53K824G332GL5
530	1100	1	32	33	18	27.5	200	600	200	0.8	FXG53K105G342GL5
530	1100	1.5	32	37	22	27.5	300	900	200	0.8	FXG53K155G402GL5
530	1100	1.8	32	37	22	27.5	360	1080	200	0.8	FXG53M185G402GL5
530	1100	0.56	42	24	13	37.5	84	252	150	1.0	FXG53K564K112KL5
530	1100	0.68	42	24	13	37.5	102	306	150	1.0	FXG53K684K112KL5
530	1100	0.82	42	26	15	37.5	123	369	150	1.0	FXG53K824K132KL5
530	1100	1	42	26	15	37.5	150	450	150	1.0	FXG53K105K132KL5
530	1100	1	42	30	17	37.5	150	450	150	1.0	FXG53K105K182KL5
530	1100	1.5	42	32	17	37.5	225	675	150	1.0	FXG53M155K822KL5
530	1100	2	42	40	20	37.5	300	900	150	1.0	FXG53K205K242KL5

Rating and Part Number

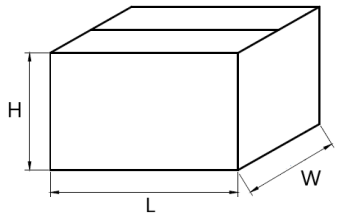
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
760	1500	0.0047	18	11	5	15	3.055	9.165	650	0.6	FXG76K472E142EL5
760	1500	0.0056	18	11	5	15	3.64	10.92	650	0.6	FXG76K562E142EL5
760	1500	0.0068	18	11	5	15	4.42	13.26	650	0.6	FXG76K682E142EL5
760	1500	0.0082	18	11	5	15	5.33	15.99	650	0.6	FXG76K822E142EL5
760	1500	0.01	18	11	5	15	6.5	19.5	650	0.6	FXG76K103E142EL5
760	1500	0.012	18	12	6	15	7.8	23.4	650	0.6	FXG76K123E172EL5
760	1500	0.015	18	12	6	15	9.75	29.25	650	0.6	FXG76K153E172EL5
760	1500	0.022	18	13.5	7.5	15	14.3	42.9	650	0.8	FXG76K223E292EL5
760	1500	0.033	18	14.5	8.5	15	21.45	64.35	650	0.8	FXG76K333E342EL5
760	1500	0.047	18	19	11	15	30.55	91.65	650	0.8	FXG76K473E472EL5
760	1500	0.01	26	15.5	6	22.5	3.5	10.5	350	0.6	FXG76K103F142FL5
760	1500	0.012	26	15.5	6	22.5	4.2	12.6	350	0.6	FXG76K123F142FL5
760	1500	0.015	26	15.5	6	22.5	5.25	15.75	350	0.6	FXG76K153F142FL5
760	1500	0.018	26	15.5	6	22.5	6.3	18.9	350	0.6	FXG76K183F142FL5
760	1500	0.022	26	15.5	6	22.5	7.7	23.1	350	0.6	FXG76K223F142FL5
760	1500	0.027	26	15.5	6	22.5	9.45	28.35	350	0.6	FXG76K273F142FL5
760	1500	0.033	26	15.5	6	22.5	11.55	34.65	350	0.6	FXG76K333F142FL5
760	1500	0.047	26	15.5	6	22.5	16.45	49.35	350	0.6	FXG76K473F142FL5
760	1500	0.056	26	16.5	7	22.5	19.6	58.8	350	0.8	FXG76K563F172FL5
760	1500	0.068	26	16.5	7	22.5	23.8	71.4	350	0.8	FXG76K683F172FL5
760	1500	0.082	26	17	8.5	22.5	28.7	86.1	350	0.8	FXG76K823F202FL5
760	1500	0.1	26	19	10	22.5	35	105	350	0.8	FXG76K104F242FL5
760	1500	0.12	26	19	10	22.5	42	126	350	0.8	FXG76K124F242FL5
760	1500	0.15	26	19	10	22.5	52.5	157.5	350	0.8	FXG76K154F242FL5
760	1500	0.22	26	23	13	22.5	77	231	350	0.8	FXG76K224F292FL5
760	1500	0.33	26	29.5	14.5	22.5	115.5	346.5	350	0.8	FXG76K334F342FL5
760	1500	0.056	32	18	9	27.5	19.6	58.8	350	0.8	FXG76K563G152GL5
760	1500	0.068	32	18	9	27.5	17	51	250	0.8	FXG76K683G152GL5
760	1500	0.082	32	18	9	27.5	20.5	61.5	250	0.8	FXG76K823G152GL5
760	1500	0.1	32	18	9	27.5	25	75	250	0.8	FXG76K104G152GL5
760	1500	0.15	32	20	11	27.5	37.5	112.5	250	0.8	FXG76K154G182GL5
760	1500	0.22	32	22	13	27.5	55	165	250	0.8	FXG76K224G212GL5
760	1500	0.33	32	24.5	15	27.5	82.5	247.5	250	0.8	FXG76K334G272GL5
760	1500	0.39	32	28	18	27.5	97.5	292.5	250	0.8	FXG76K394G332GL5
760	1500	0.47	32	33	18	27.5	117.5	352.5	250	0.8	FXG76K474G342GL5
760	1500	0.56	32	33	18	27.5	140	420	250	0.8	FXG76K564G342GL5
760	1500	0.68	32	37	22	27.5	170	510	250	0.8	FXG76K684G402GL5
760	1500	0.33	42	24	13	37.5	66	198	200	1.0	FXG76K334K112KL5
760	1500	0.39	42	24	13	37.5	78	234	200	1.0	FXG76K394K112KL5
760	1500	0.47	42	26	15	37.5	94	282	200	1.0	FXG76K474K132KL5
760	1500	0.56	42	30	17	37.5	112	336	200	1.0	FXG76K564K182KL5
760	1500	0.68	42	30	17	37.5	136	408	200	1.0	FXG76K684K182KL5
760	1500	0.82	42	32	19	37.5	164	492	200	1.0	FXG76K824K212KL5
760	1500	1	42	32	19	37.5	200	600	200	1.0	FXG76K105K212KL5
760	1500	1.2	42	37	22	37.5	240	720	200	1.0	FXG76K125K272KL5
760	1500	1.5	42	44	24	37.5	300	900	200	1.0	FXG76K155K322KL5
760	1500	1.8	42	43	28	37.5	360	1080	200	1.0	FXG76K185K392KL5
760	1500	2	42	45	30	37.5	400	1200	200	1.0	FXG76K205K422KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E39	18	18	9	600	578	370
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
	E52	18	22	12.5	600	408	260
22.5	F14	26	15.5	6		612	350
	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F26	26	20	11		336	190
	F27	26	22	12		300	170
	F29	26	23	13		276	160
	F30	26	24.5	13		276	160
	F34	26	29.5	14.5		252	140
	F36	26	25	15		240	140

Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G21	32	22	13		230	160
	G22	32	24.5	13		230	160
	G26	32	28	14		220	150
	G27	32	24.5	15		200	140
	G32	32	30	16		190	130
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90
	K11	42	24	13		161	
	K13	42	26	15		140	
	K18	42	29	17		126	
	K21	42	32	19		112	
	K24	42	40	20		105	
	K27	42	37	22		98	
	K32	42	44	24		91	
	K39	42	43	28		77	
	K42	42	45	30		70	
	K47	42	50	35		63	
	K82	42	32	17		126	

Overview

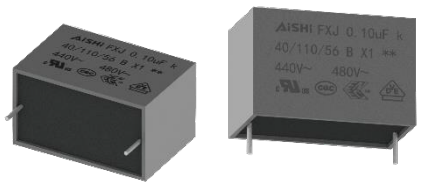
The FXJ series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0. This FXJ series robustness design is suitable for high humidity and high temperature environmental and qualify in accordance to AEC-Q200D requirement.

Applications

For use as an electromagnetic interference (EMI) suppression filter in across-the-line applications that require X1 safety classification. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

Features

- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Suitable for harsh enviroment conditions
- THB Grade IIIB
  (85°C 85%RH 1.0U_{RAC} for 1000 hours)
- Automotive Grade (AEC-Q200D)



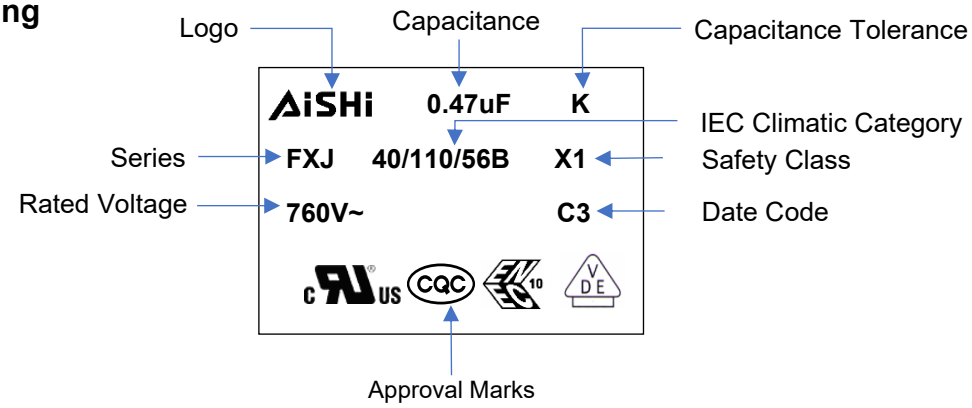
Approvals

Marking	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	E500538
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	40052137
	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	CQC20001281016 (350~480Vac) CQC20001281018 (530~760Vac)

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	350Vac, 480Vac, 530Vac 50/60Hz
Capacitance Range	0.0068μF to 3.3μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +110°C (85°C ~110°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/110/56 IEC60068-1
Dissipation Factor	≤10 × 10^{-4} C < 0.47μF ≤20 × 10^{-4} 0.47μF ≤ C ≤ 1.0μF ≤30 × 10^{-4} C > 1.0μF
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 15 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 5000 MΩ*μF

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	XJ	48	K	104	E34	2EL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	X1, THB Type, AEC-Q200D, Metallized PP Film	35=350 44=440 48=480 53=530	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

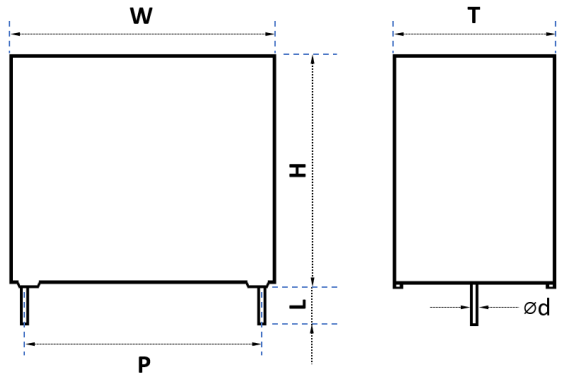
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	12.5mm	D	7.5mm	C
2 leads for forming cut	E	15.0mm	E	10.2mm	B
4 leads for straight cut	4	22.5mm	F	12.7mm	G
Taping	T	27.5mm	G	20.3mm	D
Taping Straight	V	N/A	N	N/A	L

Lead Length Code

Lead Length	
20mm min	L
35mm min	B
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E14	18.0	0.5	11.0	0.5	5.0	0.5	15.0	0.5	0.6	0.05
E17	18.0	0.5	12.0	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E29	18.0	0.5	13.5	0.5	7.5	0.5	15.0	0.5	0.8	0.05
E34	18.0	0.5	14.5	0.5	8.5	0.5	15.0	0.5	0.8	0.05
E39	18.0	0.5	18.0	0.5	9.0	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05
E52	18.0	0.5	22.0	0.5	12.5	0.5	15.0	0.5	0.8	0.05
F14	26.0	0.5	15.5	0.5	6.0	0.5	22.5	0.5	0.8	0.05
F17	26.0	0.5	16.5	0.5	7.0	0.5	22.5	0.5	0.8	0.05
F20	26.0	0.5	17.0	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26.0	0.5	19.0	0.5	10.0	0.5	22.5	0.5	0.8	0.05
F26	26.0	0.5	20.0	0.5	11.0	0.5	22.5	0.5	0.8	0.05
F27	26.0	0.5	22.0	0.5	12.0	0.5	22.5	0.5	0.8	0.05
F30	26.0	0.5	24.5	0.5	13.0	0.5	22.5	0.5	0.8	0.05
F34	26.0	0.5	29.5	0.5	14.5	0.5	22.5	0.5	0.8	0.05
F36	26.0	0.5	25.0	0.5	15.0	0.5	22.5	0.5	0.8	0.05
G15	32.0	0.8	18.0	0.8	9.0	0.8	27.5	0.5	0.8	0.05
G18	32.0	0.8	20.0	0.8	11.0	0.8	27.5	0.5	0.8	0.05
G21	32.0	0.8	22.0	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G22	32.0	0.8	24.5	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G26	32.0	0.8	28.0	0.8	14.0	0.8	27.5	0.5	0.8	0.05
G27	32.0	0.8	24.5	0.8	15.0	0.8	27.5	0.5	0.8	0.05
G32	32.0	0.8	30.0	0.8	16.0	0.8	27.5	0.5	0.8	0.05
G33	32.0	0.8	28.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G34	32.0	0.8	33.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G40	32.0	0.8	37.0	0.8	22.0	0.8	27.5	0.5	0.8	0.05

Rating and Part Number

Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
350	700	0.01	18	11	5	15	5	15	500	0.6	FXJ35K103E142EL5
350	700	0.022	18	11	5	15	11	33	500	0.6	FXJ35K223E142EL5
350	700	0.033	18	11	5	15	16.5	49.5	500	0.6	FXJ35K333E142EL5
350	700	0.047	18	11	5	15	23.5	70.5	500	0.6	FXJ35K473E142EL5
350	700	0.068	18	12	6	15	34	102	500	0.6	FXJ35K683E172EL5
350	700	0.1	18	13.5	7.5	15	50	150	500	0.8	FXJ35K104E292EL5
350	700	0.15	18	14.5	8.5	15	75	225	500	0.8	FXJ35K154E342EL5
350	700	0.22	18	16	10	15	110	330	500	0.8	FXJ35K224E432EL5
350	700	0.33	18	19	11	15	165	495	500	0.8	FXJ35K334E472EL5
350	700	0.047	26	15.5	6	22.5	18.8	56.4	400	0.6	FXJ35K473F142FL5
350	700	0.068	26	15.5	6	22.5	27.2	81.6	400	0.6	FXJ35K683F142FL5
350	700	0.1	26	15.5	6	22.5	40	120	400	0.6	FXJ35K104F142FL5
350	700	0.15	26	15.5	6	22.5	60	180	400	0.6	FXJ35K154F142FL5
350	700	0.22	26	16.5	7	22.5	88	264	400	0.8	FXJ35K224F172FL5
350	700	0.33	26	17	8.5	22.5	132	396	400	0.8	FXJ35K334F202FL5
350	700	0.47	26	19	10	22.5	188	564	400	0.8	FXJ35K474F242FL5
350	700	0.68	26	22	12	22.5	272	816	400	0.8	FXJ35K684F272FL5
350	700	1	26	25	15	22.5	400	1200	400	0.8	FXJ35K105F362FL5
350	700	0.15	32	18	9	27.5	30	90	200	0.8	FXJ35K154G152GL5
350	700	0.22	32	18	9	27.5	44	132	200	0.8	FXJ35K224G152GL5
350	700	0.33	32	18	9	27.5	66	198	200	0.8	FXJ35K334G152GL5
350	700	0.47	32	18	9	27.5	94	282	200	0.8	FXJ35K474G152GL5
350	700	0.68	32	20	11	27.5	136	408	200	0.8	FXJ35K684G182GL5
350	700	1	32	22	13	27.5	200	600	200	0.8	FXJ35K105G212GL5
350	700	1.2	32	28	14	27.5	240	720	200	0.8	FXJ35K125G262GL5
350	700	1.5	32	30	16	27.5	300	900	200	0.8	FXJ35K155G322GL5
350	700	2.2	32	33	18	27.5	440	1320	200	0.8	FXJ35K225G342GL5
350	700	3.3	32	37	22	27.5	660	1980	200	0.8	FXJ35K335G402GL5

Rating and Part Number

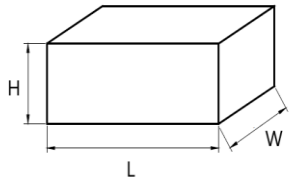
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
480	1000	0.01	18	11	5	15	6	18	600	0.6	FXJ48K103E142EL5
480	1000	0.015	18	11	5	15	9	27	600	0.6	FXJ48K153E142EL5
480	1000	0.018	18	11	5	15	10.8	32.4	600	0.6	FXJ48K183E142EL5
480	1000	0.022	18	11	5	15	13.2	39.6	600	0.6	FXJ48K223E142EL5
480	1000	0.033	18	11	5	15	19.8	59.4	600	0.6	FXJ48K333E142EL5
480	1000	0.047	18	12	6	15	28.2	84.6	600	0.6	FXJ48K473E172EL5
480	1000	0.068	18	13.5	7.5	15	40.8	122.4	600	0.8	FXJ48K683E292EL5
480	1000	0.1	18	14.5	8.5	15	60	180	600	0.8	FXJ48K104E342EL5
480	1000	0.15	18	19	11	15	90	270	600	0.8	FXJ48K154E472EL5
480	1000	0.22	18	22	12.5	15	132	396	600	0.8	FXJ48K224E522EL5
480	1000	0.047	26	15.5	6	22.5	14.1	42.3	300	0.6	FXJ48K473F142FL5
480	1000	0.056	26	15.5	6	22.5	16.8	50.4	300	0.6	FXJ48K563F142FL5
480	1000	0.068	26	15.5	6	22.5	20.4	61.2	300	0.6	FXJ48K683F142FL5
480	1000	0.082	26	15.5	6	22.5	24.6	73.8	300	0.6	FXJ48K823F142FL5
480	1000	0.1	26	15.5	6	22.5	30	90	300	0.6	FXJ48K104F142FL5
480	1000	0.15	26	16.5	7	22.5	45	135	300	0.8	FXJ48K154F172FL5
480	1000	0.22	26	17	8.5	22.5	66	198	300	0.8	FXJ48K224F202FL5
480	1000	0.33	26	20	11	22.5	99	297	300	0.8	FXJ48K334F262FL5
480	1000	0.47	26	24.5	13	22.5	141	423	300	0.8	FXJ48K474F302FL5
480	1000	0.56	26	25	15	22.5	168	504	300	0.8	FXJ48K564F362FL5
480	1000	0.68	26	29.5	14.5	22.5	204	612	300	0.8	FXJ48K684F342FL5
480	1000	0.15	32	18	9	27.5	30	90	200	0.8	FXJ48K154G152GL5
480	1000	0.22	32	18	9	27.5	44	132	200	0.8	FXJ48K224G152GL5
480	1000	0.33	32	18	9	27.5	66	198	200	0.8	FXJ48K334G152GL5
480	1000	0.47	32	20	11	27.5	94	282	200	0.8	FXJ48K474G182GL5
480	1000	0.56	32	22	13	27.5	112	336	200	0.8	FXJ48K564G212GL5
480	1000	0.68	32	24.5	13	27.5	136	408	200	0.8	FXJ48K684G222GL5
480	1000	0.82	32	28	14	27.5	164	492	200	0.8	FXJ48K824G262GL5
480	1000	1	32	28	18	27.5	200	600	200	0.8	FXJ48K105G332GL5
480	1000	1.2	32	33	18	27.5	240	720	200	0.8	FXJ48K125G342GL5
480	1000	1.5	32	33	18	27.5	300	900	200	0.8	FXJ48K155G342GL5
480	1000	1.8	32	37	22	27.5	360	1080	200	0.8	FXJ48K185G402GL5

Rating and Part Number

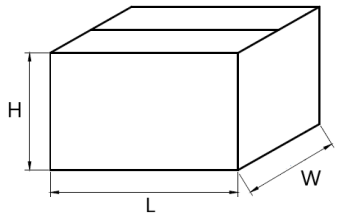
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
530	1100	0.0068	18	11	5	15	4.08	12.24	600	0.6	FXJ53K682E142EL5
530	1100	0.0082	18	11	5	15	4.92	14.76	600	0.6	FXJ53K822E142EL5
530	1100	0.01	18	11	5	15	6	18	600	0.6	FXJ53K103E142EL5
530	1100	0.022	18	12	6	15	13.2	39.6	600	0.6	FXJ53K223E172EL5
530	1100	0.033	18	13.5	7.5	15	19.8	59.4	600	0.8	FXJ53K334E292EL5
530	1100	0.047	18	14.5	8.5	15	28.2	84.6	600	0.8	FXJ53K473E342EL5
530	1100	0.056	18	14.5	8.5	15	33.6	100.8	600	0.8	FXJ53K563E342EL5
530	1100	0.068	18	18	9	15	40.8	122.4	600	0.8	FXJ53K683E392EL5
530	1100	0.1	18	19	11	15	60	180	600	0.8	FXJ53K104E472EL5
530	1100	0.033	26	15.5	6	22.5	9.9	29.7	300	0.6	FXJ53K333F142FL5
530	1100	0.047	26	15.5	6	22.5	14.1	42.3	300	0.6	FXJ53K473F142FL5
530	1100	0.056	26	15.5	6	22.5	16.8	50.4	300	0.6	FXJ53K563F142FL5
530	1100	0.068	26	15.5	6	22.5	20.4	61.2	300	0.6	FXJ53K683F142FL5
530	1100	0.082	26	15.5	6	22.5	24.6	73.8	300	0.6	FXJ53M823F142FL5
530	1100	0.1	26	16.5	7	22.5	30	90	300	0.8	FXJ53K104F172FL5
530	1100	0.15	26	17	8.5	22.5	45	135	300	0.8	FXJ53K154F202FL5
530	1100	0.22	26	19	10	22.5	66	198	300	0.8	FXJ53K224F242FL5
530	1100	0.33	26	22	12	22.5	99	297	300	0.8	FXJ53K334F272FL5
530	1100	0.47	26	29.5	14.5	22.5	141	423	300	0.8	FXJ53K474F342FL5
530	1100	0.15	32	20	11	27.5	30	90	200	0.8	FXJ53K154G182GL5
530	1100	0.22	32	20	11	27.5	44	132	200	0.8	FXJ53K224G182GL5
530	1100	0.33	32	20	11	27.5	66	198	200	0.8	FXJ53K334G182GL5
530	1100	0.47	32	22	13	27.5	94	282	200	0.8	FXJ53K474G212GL5
530	1100	0.47	32	24.5	13	27.5	94	282	200	0.8	FXJ53K474G222GL5
530	1100	0.56	32	24.5	13	27.5	112	336	200	0.8	FXJ53K564G222GL5
530	1100	0.68	32	24.5	15	27.5	136	408	200	0.8	FXJ53K684G272GL5
530	1100	0.68	32	28	18	27.5	136	408	200	0.8	FXJ53K684G332GL5
530	1100	0.82	32	28	18	27.5	164	492	200	0.8	FXJ53K824G332GL5
530	1100	1	32	33	18	27.5	200	600	200	0.8	FXJ53K105G342GL5
530	1100	1.5	32	37	22	27.5	300	900	200	0.8	FXJ53K155G402GL5
530	1100	1.8	32	37	22	27.5	360	1080	200	0.8	FXJ53M185G402GL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	50
# 3	331	331	80
# 4	350	170	35
# 5	350	170	50
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



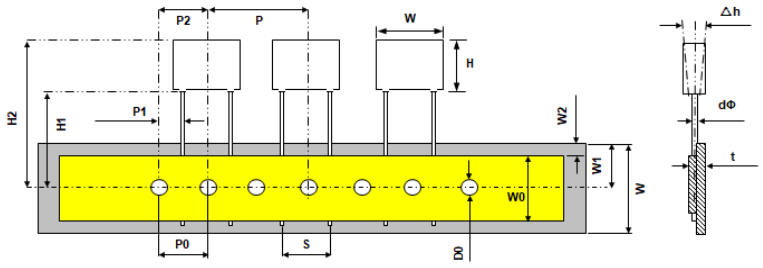
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E39	18	18	9	600	578	370
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
	E52	18	22	12.5	600	408	260
22.5	F14	26	15.5	6		612	350
	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F26	26	20	11		336	190
	F27	26	22	12		300	170
	F30	26	24.5	13		276	160
	F34	26	29.5	14.5		252	140
	F36	26	25	15		240	140
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G21	32	22	13		230	160
	G22	32	24.5	13		230	160
	G26	32	28	14		220	150
	G27	32	24.5	15		200	140
	G32	32	30	16		190	130
	G33	32	28	18		170	110
	G34	32	33	18		170	110
	G40	32	37	22		140	90

Lead Taping Information

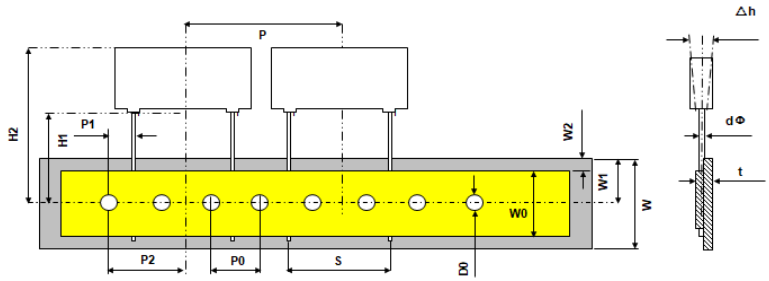
Taping Style: Straight leads

Lead spacing: 10 - 15mm



Quantity: 10pcs / line

Lead spacing: 22.5mm



Quantity: 6pcs / line

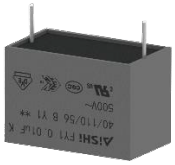
Taping Specification

Description	Symbol	Dimension (mm)				Tolerance
Lead Spacing	S	**10.0**	**12.5**	**15.0**	**22.5**	+0.8/-0.2
Taping Pitch	P	25.4	25.4	25.4	38.0	±1.0
Feed Hole Pitch	P0	12.7	12.7	12.7	12.7	±0.2
Centering of Lead Wire	P1	7.7	6.5	5.2	7.80	±0.7
Centering of Body	P2	12.7	12.7	12.7	19.1	±1.3
Carrier Tape Width	W	18.0	18.0	18.0	18.0	±0.5
Hold Down Tape Width	W0	9.5	9.5	9.5	9.5	minimum
Hole Position	W1	9.0	9.0	9.0	9.0	±0.5
Hold Down Tape Position	W2	3.0	3.0	3.0	3.0	maximum
Feed Hole Diameter	D0	4.0	4.0	4.0	4.0	±0.2
Height of Component From Tape Center	H1	20.0	20.0	20.0	20.0	±0.5
Top Edge of Component	H2	39.0	39.0	39.0	44.0	maximum
Lead Wire Diameter	d	0.6	0.8	0.8	0.8	±0.1
Component Alignment	△h	0.0	0.0	0.0	0.0	±2.0
Tape Thickness	t	0.7	0.7	0.7	0.7	±0.2

Overview
The FY1 series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0.

Applications
Use in EMI filter in line-to-ground and double insulation applications requiring Y1 safety classification.

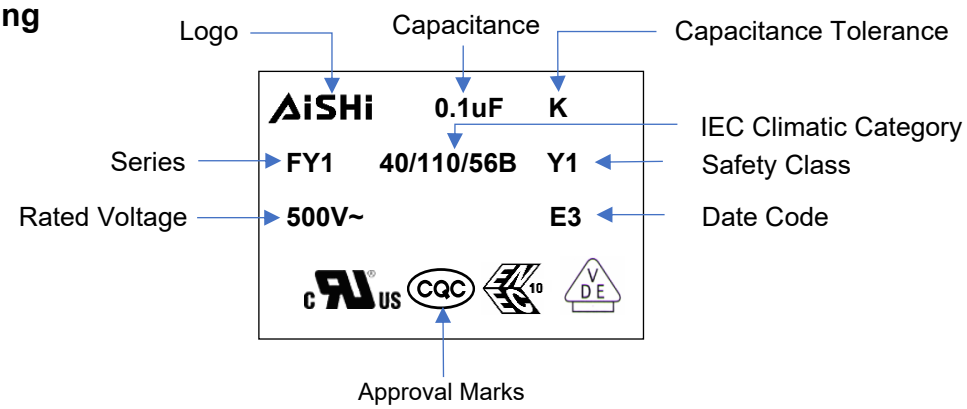
Features
- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Lead space: 15mm~27.5mm
- Capacitance range: 0.00047μF ~ 0.1μF



Approvals

Marking	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	Pending
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	Pending
	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	Pending

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	Y1	50	K	103	E47	2EL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class Y1, Metallized PP Film	50=500Vac	K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

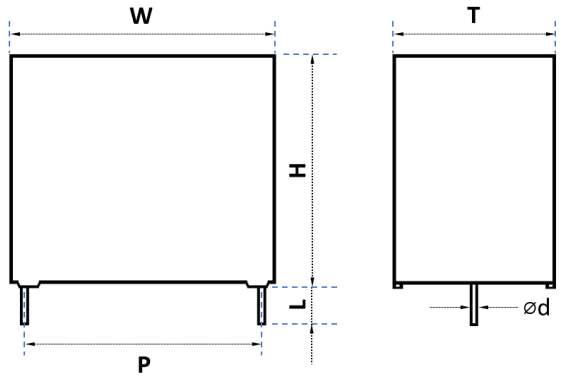
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	N/A	N	N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

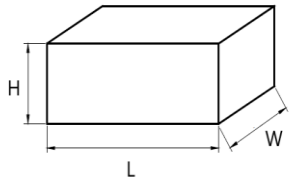
Size	Dimension						Pitch		Lead Wire	
Code	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.8	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.6	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	0.8	0.05
G32	32	0.8	30	0.8	16	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05

Rating and Part Number

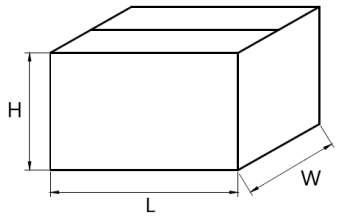
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
500	3000	0.00047	18	11	5	15	0.94	2.82	2000	0.6	FY150K471E142EL5
500	3000	0.00056	18	11	5	15	1.12	3.36	2000	0.6	FY150K561E142EL5
500	3000	0.00068	18	11	5	15	1.36	4.08	2000	0.6	FY150K681E142EL5
500	3000	0.00082	18	11	5	15	1.64	4.92	2000	0.6	FY150K821E142EL5
500	3000	0.001	18	11	5	15	2	6	2000	0.6	FY150K102E142EL5
500	3000	0.0012	18	11	5	15	2.4	7.2	2000	0.6	FY150K122E142EL5
500	3000	0.0015	18	11	5	15	75	225	2000	0.6	FY150K152E142EL5
500	3000	0.0018	18	12	6	15	3.6	10.8	2000	0.6	FY150K182E172EL5
500	3000	0.0020	18	12	6	15	4	12	2000	0.6	FY150K202E172EL5
500	3000	0.0022	18	12	6	15	4.4	13.2	2000	0.6	FY150K222E172EL5
500	3000	0.0025	18	12	6	15	5	15	2000	0.6	FY150K252E172EL5
500	3000	0.0027	18	13.5	7.5	15	5.4	16.2	2000	0.8	FY150K272E292EL5
500	3000	0.0030	18	13.5	7.5	15	6	18	2000	0.8	FY150K302E292EL5
500	3000	0.0033	18	13.5	7.5	15	6.6	19.8	2000	0.8	FY150K332E292EL5
500	3000	0.0039	18	13.5	7.5	15	7.8	23.4	2000	0.8	FY150K392E292EL5
500	3000	0.0040	18	13.5	7.5	15	8	24	2000	0.8	FY150K402E292EL5
500	3000	0.0047	18	14.5	8.5	15	9.4	28.2	2000	0.8	FY150K472E342EL5
500	3000	0.0050	18	14.5	8.5	15	10	30	2000	0.8	FY150K502E342EL5
500	3000	0.0056	18	14.5	8.5	15	11.2	33.6	2000	0.8	FY150K562E342EL5
500	3000	0.0068	18	16	10	15	13.6	40.8	2000	0.8	FY150K682E432EL5
500	3000	0.0082	18	19	11	15	16.4	49.2	2000	0.8	FY150K822E472EL5
500	3000	0.01	18	19	11	15	20	60	2000	0.8	FY150K103E472EL5
500	3000	0.0056	26	15.5	6	22.5	8.4	25.2	1500	0.6	FY150K562F142FL5
500	3000	0.0068	26	16.5	7	22.5	10.2	30.6	1500	0.8	FY150K682F172FL5
500	3000	0.0082	26	17	8.5	22.5	12.3	36.9	1500	0.8	FY150K822F202FL5
500	3000	0.01	26	17	8.5	22.5	15	45	1500	0.8	FY150K103F202FL5
500	3000	0.012	26	19	10	22.5	18	54	1500	0.8	FY150K123F242FL5
500	3000	0.015	26	19	10	22.5	22.5	67.5	1500	0.8	FY150K153F242FL5
500	3000	0.018	26	20	11	22.5	27	81	1500	0.8	FY150K183F262FL5
500	3000	0.022	26	22	12	22.5	33	99	1500	0.8	FY150K223F272FL5
500	3000	0.022	32	20	11	27.5	17.6	52.8	800	0.8	FY150K223G182GL5
500	3000	0.033	32	22	13	27.5	26.4	79.2	800	0.8	FY150K333G212GL5
500	3000	0.047	32	28	14	27.5	37.6	112.8	800	0.8	FY150K473G262GL5
500	3000	0.068	32	33	18	27.5	54.4	163.2	800	0.8	FY150K683G342GL5
500	3000	0.1	32	37	22	27.5	80	240	800	1.0	FY150K104G402GL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	50
# 3	331	331	80
# 4	350	170	35
# 5	350	170	50
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



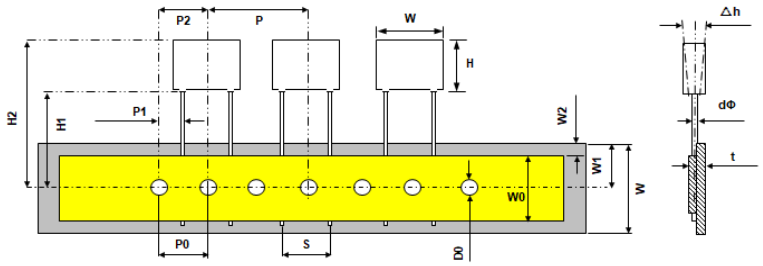
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6	612	612	350
	F17	26	16.5	7	528	528	300
	F20	26	17	8.5	432	432	250
	F24	26	19	10	372	372	210
	F26	26	20	11	336	336	190
	F27	26	22	12	300	300	170
27.5	G15	32	18	9	340	340	
	G18	32	20	11	280	280	
	G21	32	22	13	230	230	
	G26	32	28	14	220	220	
	G27	32	24.5	15	200	200	
	G32	32	30	16	190	190	
	G33	32	28	18	170	170	
	G34	32	33	18	170	170	
	G40	32	37	22	140	140	

Lead Taping Information

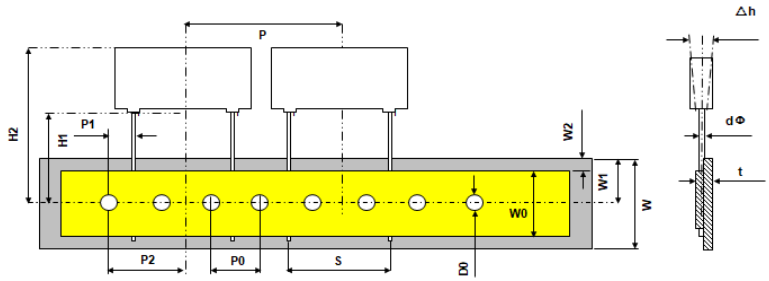
Taping Style: Straight leads

Lead spacing: 10 - 15mm



Quantity: 10pcs / line

Lead spacing: 22.5 – 27.5mm



Quantity: 6pcs / line

Taping Specification

Description	Symbol	Dimension (mm)				Tolerance
Lead Spacing	S	**10.0**	**12.5**	**15.0**	**22.5**	+0.8/-0.2
Taping Pitch	P	25.4	25.4	25.4	38.0	±1.0
Feed Hole Pitch	P0	12.7	12.7	12.7	12.7	±0.2
Centering of Lead Wire	P1	7.7	6.5	5.2	7.80	±0.7
Centering of Body	P2	12.7	12.7	12.7	19.1	±1.3
Carrier Tape Width	W	18.0	18.0	18.0	18.0	±0.5
Hold Down Tape Width	W0	9.5	9.5	9.5	9.5	minimum
Hole Position	W1	9.0	9.0	9.0	9.0	±0.5
Hold Down Tape Position	W2	3.0	3.0	3.0	3.0	maximum
Feed Hole Diameter	D0	4.0	4.0	4.0	4.0	±0.2
Height of Component From Tape Center	H1	20.0	20.0	20.0	20.0	±0.5
Top Edge of Component	H2	39.0	39.0	39.0	44.0	maximum
Lead Wire Diameter	d	0.6	0.8	0.8	0.8	±0.1
Component Alignment	△h	0.0	0.0	0.0	0.0	±2.0
Tape Thickness	t	0.7	0.7	0.7	0.7	±0.2

Overview

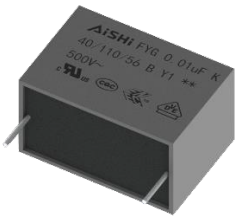
The FY1 series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0. This FYG series robustness design is suitable for high humidity and high temperature environmental conditions and compliant to THB Grade IIIB.

Applications

Use in EMI filter in line-to-ground and double insulation applications requiring Y1 safety classification.

Features

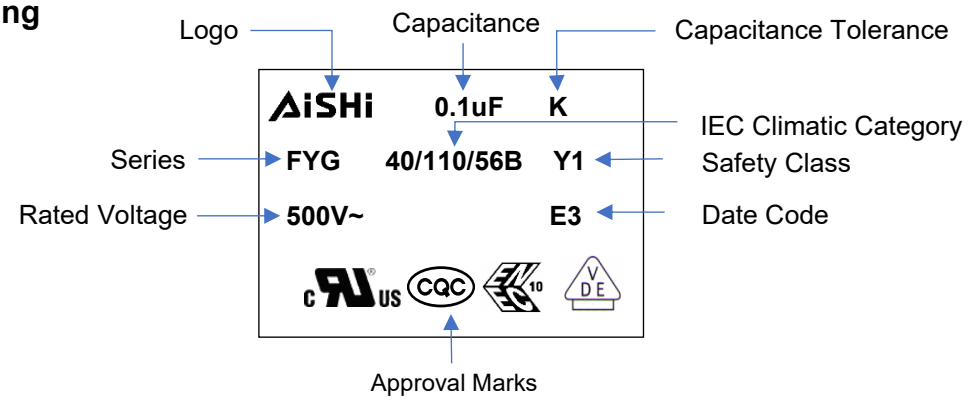
- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Lead space: 15mm~27.5mm
- Capacitance range: 0.00047μF ~ 0.1μF
- Suitable for harsh enviroment conditions
- THB Grade IIIB (85°C 85%RH 1.0U_{RAC} for 1000 hours)



Approvals

Marking	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	Pending
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	Pending
	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	Pending

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	YG	50	K	103	E47	2EL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class Y1, THB, Metallized PP Film	50=500Vac	K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

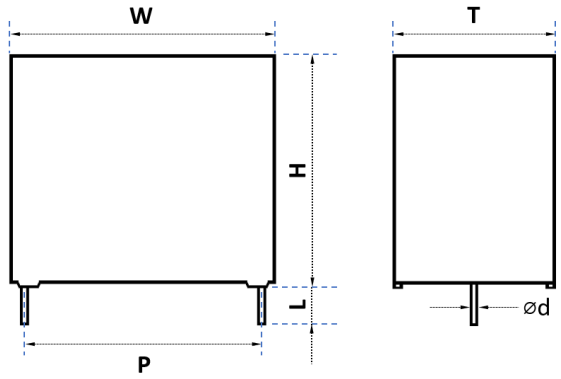
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	N/A	N	N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

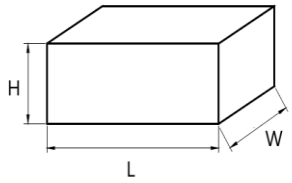
Size	Dimension						Pitch		Lead Wire	
Code	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.8	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.6	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	0.8	0.05
G32	32	0.8	30	0.8	16	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05

Rating and Part Number

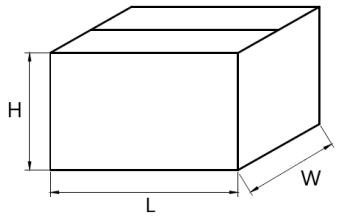
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
500	3000	0.00047	18	11	5	15	0.94	2.82	2000	0.6	FYG50K471E142EL5
500	3000	0.00056	18	11	5	15	1.12	3.36	2000	0.6	FYG50K561E142EL5
500	3000	0.00068	18	11	5	15	1.36	4.08	2000	0.6	FYG50K681E142EL5
500	3000	0.00082	18	11	5	15	1.64	4.92	2000	0.6	FYG50K821E142EL5
500	3000	0.001	18	11	5	15	2	6	2000	0.6	FYG50K102E142EL5
500	3000	0.0012	18	11	5	15	2.4	7.2	2000	0.6	FYG50K122E142EL5
500	3000	0.0015	18	11	5	15	75	225	2000	0.6	FYG50K152E142EL5
500	3000	0.0018	18	12	6	15	3.6	10.8	2000	0.6	FYG50K182E172EL5
500	3000	0.0020	18	12	6	15	4	12	2000	0.6	FYG50K202E172EL5
500	3000	0.0022	18	12	6	15	4.4	13.2	2000	0.6	FYG50K222E172EL5
500	3000	0.0025	18	12	6	15	5	15	2000	0.6	FYG50K252E172EL5
500	3000	0.0027	18	13.5	7.5	15	5.4	16.2	2000	0.8	FYG50K272E292EL5
500	3000	0.0030	18	13.5	7.5	15	6	18	2000	0.8	FYG50K302E292EL5
500	3000	0.0033	18	13.5	7.5	15	6.6	19.8	2000	0.8	FYG50K332E292EL5
500	3000	0.0039	18	13.5	7.5	15	7.8	23.4	2000	0.8	FYG50K392E292EL5
500	3000	0.0040	18	13.5	7.5	15	8	24	2000	0.8	FYG50K402E292EL5
500	3000	0.0047	18	14.5	8.5	15	9.4	28.2	2000	0.8	FYG50K472E342EL5
500	3000	0.0050	18	14.5	8.5	15	10	30	2000	0.8	FYG50K502E342EL5
500	3000	0.0056	18	14.5	8.5	15	11.2	33.6	2000	0.8	FYG50K562E342EL5
500	3000	0.0068	18	16	10	15	13.6	40.8	2000	0.8	FYG50K682E432EL5
500	3000	0.0082	18	19	11	15	16.4	49.2	2000	0.8	FYG50K822E472EL5
500	3000	0.01	18	19	11	15	20	60	2000	0.8	FYG50K103E472EL5
500	3000	0.0056	26	15.5	6	22.5	8.4	25.2	1500	0.6	FYG50K562F142FL5
500	3000	0.0068	26	16.5	7	22.5	10.2	30.6	1500	0.8	FYG50K682F172FL5
500	3000	0.0082	26	17	8.5	22.5	12.3	36.9	1500	0.8	FYG50K822F202FL5
500	3000	0.01	26	17	8.5	22.5	15	45	1500	0.8	FYG50K103F202FL5
500	3000	0.012	26	19	10	22.5	18	54	1500	0.8	FYG50K123F242FL5
500	3000	0.015	26	19	10	22.5	22.5	67.5	1500	0.8	FYG50K153F242FL5
500	3000	0.018	26	20	11	22.5	27	81	1500	0.8	FYG50K183F262FL5
500	3000	0.022	26	22	12	22.5	33	99	1500	0.8	FYG50K223F272FL5
500	3000	0.022	32	20	11	27.5	17.6	52.8	800	0.8	FYG50K223G182GL5
500	3000	0.033	32	22	13	27.5	26.4	79.2	800	0.8	FYG50K333G212GL5
500	3000	0.047	32	28	14	27.5	37.6	112.8	800	0.8	FYG50K473G262GL5
500	3000	0.068	32	33	18	27.5	54.4	163.2	800	0.8	FYG50K683G342GL5
500	3000	0.1	32	37	22	27.5	80	240	800	1.0	FYG50K104G402GL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	50
# 3	331	331	80
# 4	350	170	35
# 5	350	170	50
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



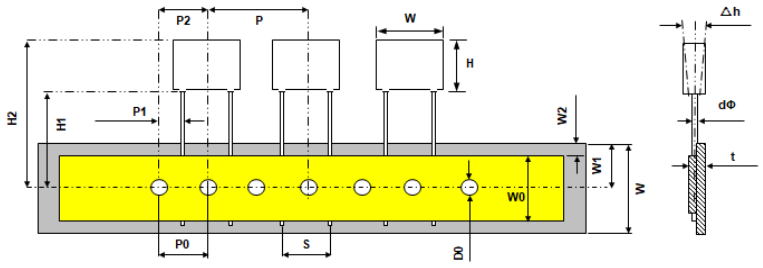
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6	612	612	350
	F17	26	16.5	7	528	528	300
	F20	26	17	8.5	432	432	250
	F24	26	19	10	372	372	210
	F26	26	20	11	336	336	190
	F27	26	22	12	300	300	170
27.5	G15	32	18	9	340	340	
	G18	32	20	11	280	280	
	G21	32	22	13	230	230	
	G26	32	28	14	220	220	
	G27	32	24.5	15	200	200	
	G32	32	30	16	190	190	
	G33	32	28	18	170	170	
	G34	32	33	18	170	170	
	G40	32	37	22	140	140	

Lead Taping Information

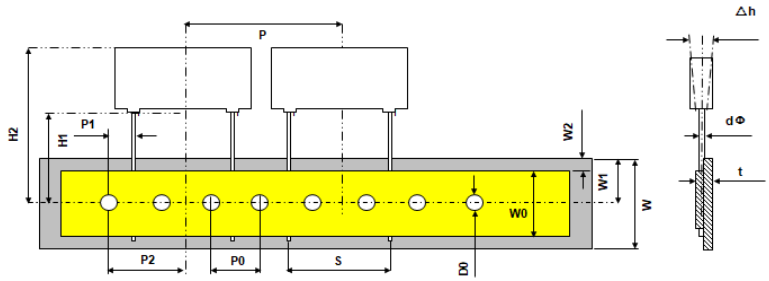
Taping Style: Straight leads

Lead spacing: 10 - 15mm



Quantity: 10pcs / line

Lead spacing: 22.5 – 27.5mm



Quantity: 6pcs / line

Taping Specification

Description	Symbol	Dimension (mm)				Tolerance
Lead Spacing	S	**10.0**	**12.5**	**15.0**	**22.5**	+0.8/-0.2
Taping Pitch	P	25.4	25.4	25.4	38.0	±1.0
Feed Hole Pitch	P0	12.7	12.7	12.7	12.7	±0.2
Centering of Lead Wire	P1	7.7	6.5	5.2	7.80	±0.7
Centering of Body	P2	12.7	12.7	12.7	19.1	±1.3
Carrier Tape Width	W	18.0	18.0	18.0	18.0	±0.5
Hold Down Tape Width	W0	9.5	9.5	9.5	9.5	minimum
Hole Position	W1	9.0	9.0	9.0	9.0	±0.5
Hold Down Tape Position	W2	3.0	3.0	3.0	3.0	maximum
Feed Hole Diameter	D0	4.0	4.0	4.0	4.0	±0.2
Height of Component From Tape Center	H1	20.0	20.0	20.0	20.0	±0.5
Top Edge of Component	H2	39.0	39.0	39.0	44.0	maximum
Lead Wire Diameter	d	0.6	0.8	0.8	0.8	±0.1
Component Alignment	△h	0.0	0.0	0.0	0.0	±2.0
Tape Thickness	t	0.7	0.7	0.7	0.7	±0.2

Overview

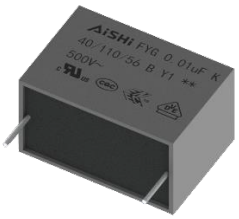
The FY1 series is constructed of metallized polypropylene film encapsulated with self-extinguishing resin in a box of material meeting the requirement of UL94V-0. This FYJ series robustness design is suitable for high humidity and high temperature environmental conditions and qualify in accordance to AEC-Q200D requirement.

Applications

Use in EMI filter in line-to-ground and double insulation applications requiring Y1 safety classification.

Features

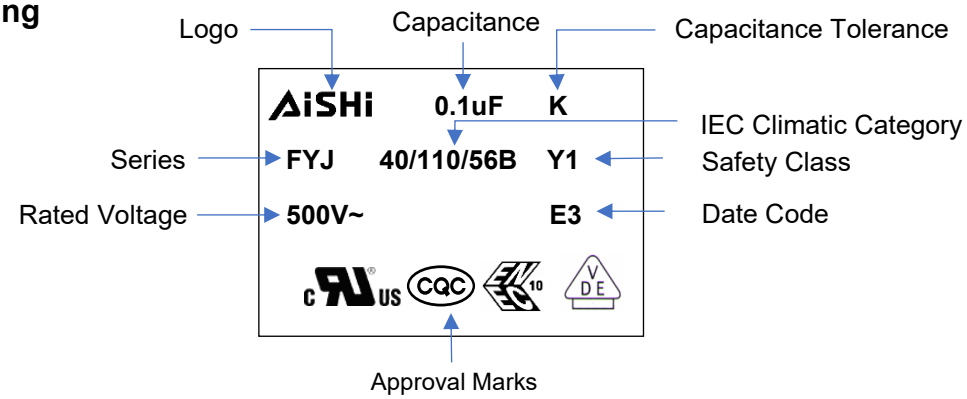
- High stability of capacitance
- High temperature (110°C)
- Self-healing property
- Over voltage stress withstanding
- Flame-retardant plastic case and resin
- Lead space: 15mm~27.5mm
- Capacitance range: 0.00047μF ~ 0.1μF
- Suitable for harsh enviroment conditions
- THB Grade IIIB (85°C 85%RH 1.0U_{RAC} for 1000 hours)
- Automotive Grade (AEC-Q200D)



Approvals

Marking	Standard	File Number
	UL 60384-14 CAN/CSA-E60384-14	Pending
	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	Pending
	IEC 60384-14:2013+AMD1:2016 CQC11-471112-2015	Pending

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	YJ	50	K	103	E47	2EL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Class Y1, AEC-Q200, Metallized PP Film	50=500Vac	K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Table

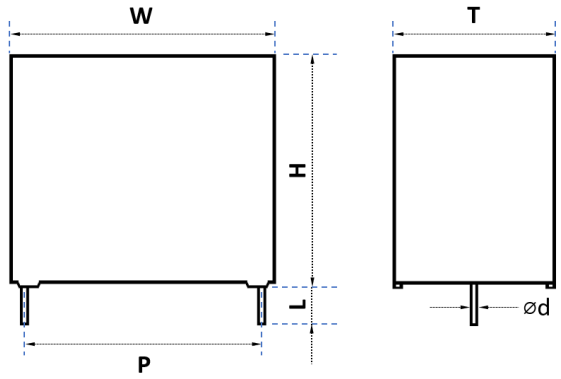
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	5.1mm	A
2 leads for straight cut	2	15.0mm	E	7.5mm	C
2 leads for forming cut	E	22.5mm	F	10.2mm	B
4 leads for straight cut	4	27.5mm	G	12.7mm	G
Taping	T	37.5mm	K	20.3mm	D
Taping Straight	V	N/A	N	N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



2 pins

Size Code Table (mm)

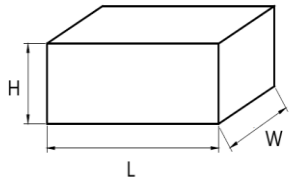
Size	Dimension						Pitch		Lead Wire	
Code	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.6	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.8	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.6	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	0.8	0.05
G32	32	0.8	30	0.8	16	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	0.8	0.05

Rating and Part Number

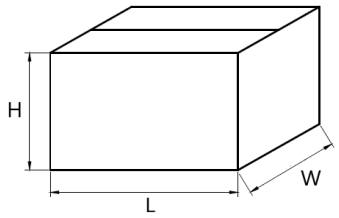
Vac	Vdc	Cap Value	Dimensions				Peak Current	Surge Current	dv/dt	Lead Wire	Part Number
			W	H	T	P					
		μF	mm	mm	mm	mm	A	A	V/us	mm	
500	3000	0.00047	18	11	5	15	0.94	2.82	2000	0.6	FYJ50K471E142EL5
500	3000	0.00056	18	11	5	15	1.12	3.36	2000	0.6	FYJ50K561E142EL5
500	3000	0.00068	18	11	5	15	1.36	4.08	2000	0.6	FYJ50K681E142EL5
500	3000	0.00082	18	11	5	15	1.64	4.92	2000	0.6	FYJ50K821E142EL5
500	3000	0.001	18	11	5	15	2	6	2000	0.6	FYJ50K102E142EL5
500	3000	0.0012	18	11	5	15	2.4	7.2	2000	0.6	FYJ50K122E142EL5
500	3000	0.0015	18	11	5	15	75	225	2000	0.6	FYJ50K152E142EL5
500	3000	0.0018	18	12	6	15	3.6	10.8	2000	0.6	FYJ50K182E172EL5
500	3000	0.0020	18	12	6	15	4	12	2000	0.6	FYJ50K202E172EL5
500	3000	0.0022	18	12	6	15	4.4	13.2	2000	0.6	FYJ50K222E172EL5
500	3000	0.0025	18	12	6	15	5	15	2000	0.6	FYJ50K252E172EL5
500	3000	0.0027	18	13.5	7.5	15	5.4	16.2	2000	0.8	FYJ50K272E292EL5
500	3000	0.0030	18	13.5	7.5	15	6	18	2000	0.8	FYJ50K302E292EL5
500	3000	0.0033	18	13.5	7.5	15	6.6	19.8	2000	0.8	FYJ50K332E292EL5
500	3000	0.0039	18	13.5	7.5	15	7.8	23.4	2000	0.8	FYJ50K392E292EL5
500	3000	0.0040	18	13.5	7.5	15	8	24	2000	0.8	FYJ50K402E292EL5
500	3000	0.0047	18	14.5	8.5	15	9.4	28.2	2000	0.8	FYJ50K472E342EL5
500	3000	0.0050	18	14.5	8.5	15	10	30	2000	0.8	FYJ50K502E342EL5
500	3000	0.0056	18	14.5	8.5	15	11.2	33.6	2000	0.8	FYJ50K562E342EL5
500	3000	0.0068	18	16	10	15	13.6	40.8	2000	0.8	FYJ50K682E432EL5
500	3000	0.0082	18	19	11	15	16.4	49.2	2000	0.8	FYJ50K822E472EL5
500	3000	0.01	18	19	11	15	20	60	2000	0.8	FYJ50K103E472EL5
500	3000	0.0056	26	15.5	6	22.5	8.4	25.2	1500	0.6	FYJ50K562F142FL5
500	3000	0.0068	26	16.5	7	22.5	10.2	30.6	1500	0.8	FYJ50K682F172FL5
500	3000	0.0082	26	17	8.5	22.5	12.3	36.9	1500	0.8	FYJ50K822F202FL5
500	3000	0.01	26	17	8.5	22.5	15	45	1500	0.8	FYJ50K103F202FL5
500	3000	0.012	26	19	10	22.5	18	54	1500	0.8	FYJ50K123F242FL5
500	3000	0.015	26	19	10	22.5	22.5	67.5	1500	0.8	FYJ50K153F242FL5
500	3000	0.018	26	20	11	22.5	27	81	1500	0.8	FYJ50K183F262FL5
500	3000	0.022	26	22	12	22.5	33	99	1500	0.8	FYJ50K223F272FL5
500	3000	0.022	32	20	11	27.5	17.6	52.8	800	0.8	FYJ50K223G182GL5
500	3000	0.033	32	22	13	27.5	26.4	79.2	800	0.8	FYJ50K333G212GL5
500	3000	0.047	32	28	14	27.5	37.6	112.8	800	0.8	FYJ50K473G262GL5
500	3000	0.068	32	33	18	27.5	54.4	163.2	800	0.8	FYJ50K683G342GL5
500	3000	0.1	32	37	22	27.5	80	240	800	1.0	FYJ50K104G402GL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	50
# 3	331	331	80
# 4	350	170	35
# 5	350	170	50
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



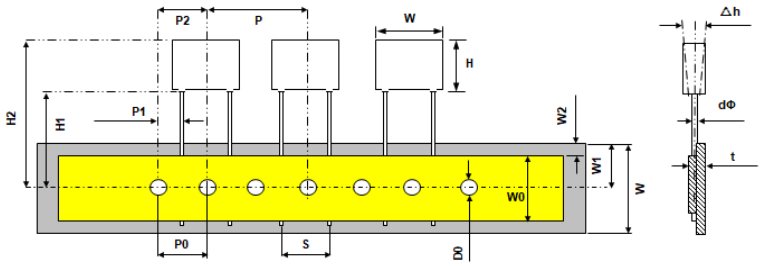
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6	612	612	350
	F17	26	16.5	7	528	528	300
	F20	26	17	8.5	432	432	250
	F24	26	19	10	372	372	210
	F26	26	20	11	336	336	190
	F27	26	22	12	300	300	170
27.5	G15	32	18	9	340	340	
	G18	32	20	11	280	280	
	G21	32	22	13	230	230	
	G26	32	28	14	220	220	
	G27	32	24.5	15	200	200	
	G32	32	30	16	190	190	
	G33	32	28	18	170	170	
	G34	32	33	18	170	170	
	G40	32	37	22	140	140	

Lead Taping Information

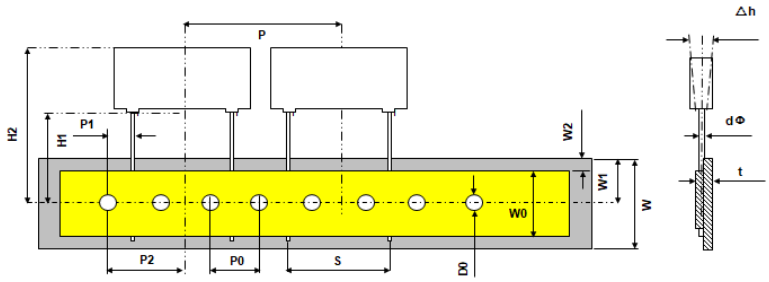
Taping Style: Straight leads

Lead spacing: 10 - 15mm



Quantity: 10pcs / line

Lead spacing: 22.5 – 27.5mm



Quantity: 6pcs / line

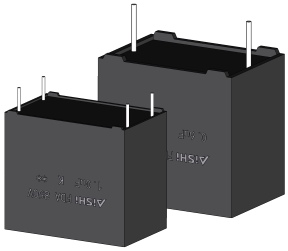
Taping Specification

Description	Symbol	Dimension (mm)				Tolerance
Lead Spacing	S	**10.0**	**12.5**	**15.0**	**22.5**	+0.8/-0.2
Taping Pitch	P	25.4	25.4	25.4	38.0	±1.0
Feed Hole Pitch	P0	12.7	12.7	12.7	12.7	±0.2
Centering of Lead Wire	P1	7.7	6.5	5.2	7.80	±0.7
Centering of Body	P2	12.7	12.7	12.7	19.1	±1.3
Carrier Tape Width	W	18.0	18.0	18.0	18.0	±0.5
Hold Down Tape Width	W0	9.5	9.5	9.5	9.5	minimum
Hole Position	W1	9.0	9.0	9.0	9.0	±0.5
Hold Down Tape Position	W2	3.0	3.0	3.0	3.0	maximum
Feed Hole Diameter	D0	4.0	4.0	4.0	4.0	±0.2
Height of Component From Tape Center	H1	20.0	20.0	20.0	20.0	±0.5
Top Edge of Component	H2	39.0	39.0	39.0	44.0	maximum
Lead Wire Diameter	d	0.6	0.8	0.8	0.8	±0.1
Component Alignment	△h	0.0	0.0	0.0	0.0	±2.0
Tape Thickness	t	0.7	0.7	0.7	0.7	±0.2

Overview
The FDA capacitor is constructed of metallized polypropylene film encapsulated with epoxy resin in a plastic box, with 2 or 4 tinned copper wire. These FDA series is suitable for high performance DC filtering applications.

Applications
Widely used in high performance DC Link, DC filtering, frequency converters, industrial power supply, solar inverter and energy storage. Not suitable for across the line application.

Features
- Self-healing
- High capacitance density
- High ripple current and low loss
- High contact reliability
- Suitable for high frequency applications



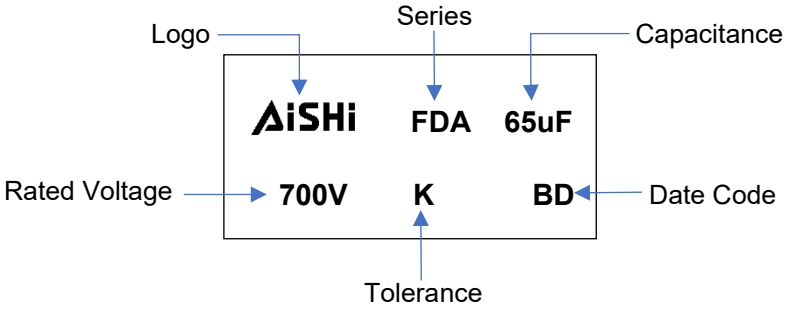
Applicable Standard

Approval	Specification	File Number
c UL us	UL 810	E500537

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	450Vdc to 1200Vdc
Capacitance Range	1.0μF to 200μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤0.002 (0.2%) at 1KHz; C ≤20μF at 25°C ≤0.003 (0.3%) at 1KHz; C >20μF at 25°C ≤0.004 (0.4%) at 1KHz; C >80μF at 25°C
Insulation Resistance	RC between leads, IR xC≥30,000 s at 100vdc 1minute at +25°C

Marking



Part Number System

F	DA	2M	K	656	M20	4MD	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	DC Link, Metallized PP Film	450=2W 500=2H 550=2J 600=2K 700=2M 800=2N 900=2Q 1000=3K 1100=3M 1200=3B	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

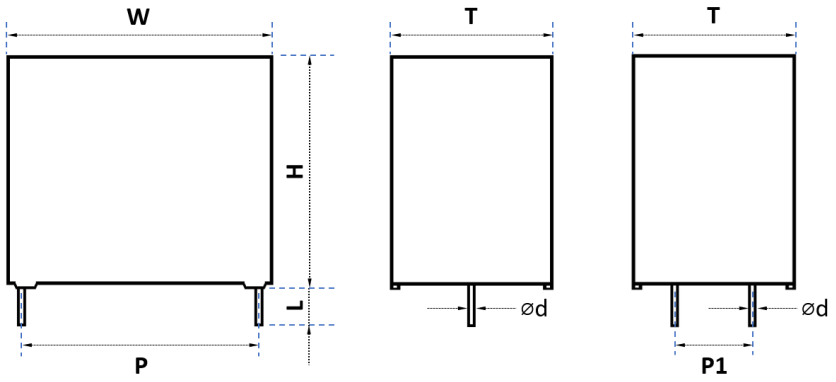
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	27.5mm	G	10.2mm	B
2 leads for straight cut	2	37.5mm	K	12.7mm	G
2 leads for forming cut	E	52.5mm	M	20.3mm	D
4 leads for straight cut	4	N/A	N	N/A	L
6 leads for straight cut	6				

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins **4 pins**

Size Code Table (mm)

Size Code	Dimension						Pitch				Ød		
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	P1	Tolerance	4 Leads	2 Leads	Tolerance
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	\	\	\	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	\	\	\	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	\	\	\	0.8	0.05
G32	32	0.8	30	0.8	16	0.8	27.5	0.5	\	\	\	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	10.2	0.5	1.0	0.8	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	\	\	\	1.0	0.05
K24	42	1.0	40	1.0	20	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K27	42	1.0	37	1.0	22	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K37	42	1.0	37	1.0	28	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K39	42	1.0	43	1.0	28	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K47	42	1.0	50	1.0	35	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K49	42	1.0	55	1.0	40	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K52	42	1.0	60	1.0	45	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K66	42	1.0	30	1.0	17	1.0	37.5	0.5	\	\	\	1.0	0.05
M10	57.5	1.0	45	1.0	25	1.0	52.5	0.5	10.2	0.5	1.2	1.2	0.05
M16	57.5	1.0	45	1.0	30	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M20	57.5	1.0	50	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M23	57.5	1.0	65	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M32	57.5	1.0	55	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M34	57.5	1.0	65	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05

Rating and Part Number

Vdc	Cap Value	Dimensions					Irms	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
	μF	W	H	T	P	P1	10KHz								
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
450	5	32	20	11	27.5	\	5.0	325	975	20.0	25	30.0	65	0.8	FDA2WK505G182GL5
450	10	32	24.5	15	27.5	\	7.0	650	1950	11.0	25	27.8	65	0.8	FDA2WK106G272GL5
450	15	32	33	18	27.5	\	11.0	975	2925	7.0	25	17.7	65	0.8	FDA2WK156G342GL5
450	22	32	37	22	27.5	\	11.0	1430	4290	5.0	28	24.8	65	0.8	FDA2WK226G402GL5
450	25	32	37	22	27.5	\	12.0	1625	4875	4.8	28	24.8	65	0.8	FDA2WK256G402GL5
450	30	42	40	20	37.5	10.2	12.5	1050	3150	7.5	30	12.8	35	1.2	FDA2WK306K244KB5
450	35	42	37	22	37.5	10.2	13.5	1225	3675	7.0	30	11.8	35	1.2	FDA2WK356K274KB5
450	40	42	37	28	37.5	10.2	14.5	1400	4200	6.2	30	11.5	35	1.2	FDA2WK406K374KB5
450	50	42	43	28	37.5	10.2	16.0	1750	5250	5.0	30	11.7	35	1.2	FDA2WK506K394KB5
450	50	42	45	30	37.5	20.3	16.0	1750	5250	5.0	30	11.7	35	1.2	FDA2WK506K424KD5
450	60	42	45	30	37.5	20.3	16.5	2100	6300	4.5	30	12.2	35	1.2	FDA2WK606K424KD5
450	80	42	50	35	37.5	20.3	20.5	2800	8400	3.8	30	12.2	35	1.2	FDA2WK806K474KD5
450	110	42	60	45	37.5	20.3	24.5	3850	11550	3.6	30	12.2	35	1.2	FDA2WK117K524KD5
450	130	42	60	45	37.5	20.3	28.5	4550	13650	3.0	30	12.2	35	1.2	FDA2WK137K524KD5
450	75	57.5	45	30	52.5	20.3	16.5	1500	4500	5.5	35	10.0	20	1.2	FDA2WK756M164MD5
450	80	57.5	45	30	52.5	20.3	17.0	1600	4800	5.0	35	10.4	20	1.2	FDA2WK806M164MD5
450	100	57.5	50	35	52.5	20.3	18.0	2000	6000	4.5	35	10.3	20	1.2	FDA2WK107M204MD5
450	110	57.5	50	35	52.5	20.3	19.0	2200	6600	4.0	35	10.4	20	1.2	FDA2WK117M204MD5
450	120	57.5	50	35	52.5	20.3	21.5	2400	7200	3.8	35	10.4	20	1.2	FDA2WK127M204MD5
450	150	57.5	65	35	52.5	20.3	24.5	3000	9000	3.6	35	10.4	20	1.2	FDA2WK157M234MD5
450	160	57.5	55	45	52.5	20.3	28.5	3200	9600	3.0	35	10.4	20	1.2	FDA2WK167M324MD5
450	200	57.5	65	45	52.5	20.3	33.0	4000	12000	2.6	35	10.4	20	1.2	FDA2WK207M344MD5
550	5	32	22	13	27.5	\	5.5	325	975	19.5	25	25.4	65	0.8	FDA2JK505G212GL5
550	10	32	33	18	27.5	\	7.5	650	1950	10.5	25	25.4	65	0.8	FDA2JK106G342GL5
550	15	32	37	22	27.5	\	11.5	975	2925	6.8	28	16.7	65	0.8	FDA2JK156G402GL5
550	22	32	37	22	27.5	\	11.5	1430	4290	4.9	28	23.1	65	0.8	FDA2JK226G402GL5
550	30	42	44	24	37.5	10.2	13.0	1050	3150	7.2	30	12.3	35	1.2	FDA2JK306K324KB5
550	35	42	45	30	37.5	20.3	13.8	1225	3675	6.8	30	11.6	35	1.2	FDA2JK356K424KD5
550	40	42	45	30	37.5	20.3	14.8	1400	4200	6.0	30	11.4	35	1.2	FDA2JK406K424KD5
550	50	42	50	35	37.5	20.3	17.0	1750	5250	4.8	30	10.8	35	1.2	FDA2JK506K474KD5
550	60	42	50	35	37.5	20.3	18.0	2100	6300	4.2	30	11.0	35	1.2	FDA2JK606K474KD5
550	70	42	50	35	37.5	20.3	20.5	2450	7350	3.8	30	11.0	35	1.2	FDA2JK706K474KD5
550	110	42	60	45	37.5	20.3	24.5	3850	11550	3.6	30	11.0	35	1.2	FDA2JK117K524KD5
550	75	57.5	45	30	52.5	20.3	16.8	1500	4500	5.2	35	10.2	20	1.2	FDA2JK756M164MD5
550	100	57.5	50	35	52.5	20.3	18.5	2000	6000	4.3	35	10.2	20	1.2	FDA2JK107M204MD5
550	110	57.5	50	35	52.5	20.3	20.0	2200	6600	4.0	35	9.4	20	1.2	FDA2JK117M204MD5
550	140	57.5	55	45	52.5	20.3	26.0	2800	8400	3.5	35	6.3	20	1.2	FDA2JK147M324MD5
550	140	57.5	65	35	52.5	20.3	26.0	2800	8400	3.5	35	6.3	20	1.2	FDA2JK147M234MD5
550	170	57.5	65	45	52.5	20.3	32.0	3400	10200	2.8	35	5.2	20	1.2	FDA2JK177M344MD5
550	180	57.5	65	45	52.5	20.3	33.0	3600	10800	2.6	35	5.2	20	1.2	FDA2JK187M344MD5
600	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDA2KK205G152GL5
600	3	32	20	11	27.5	\	4.0	195	585	28.0	25	33.5	65	0.8	FDA2KK305G182GL5
600	4	32	20	11	27.5	\	5.5	260	780	23.0	25	21.6	65	0.8	FDA2KK405G182GL5
600	5	32	22	13	27.5	\	7.0	325	975	14.5	25	21.1	65	0.8	FDA2KK505G212GL5
600	6	32	24.5	15	27.5	\	7.3	390	1170	13.0	25	21.7	65	0.8	FDA2KK605G272GL5
600	7	32	24.5	15	27.5	\	8.5	455	1365	12.0	25	17.3	65	0.8	FDA2KK705G272GL5
600	8	32	28	14	27.5	\	9.5	520	1560	11.0	25	15.1	65	0.8	FDA2KK805G262GL5
600	9	32	30	16	27.5	\	10.5	585	1755	10.5	25	13.0	65	0.8	FDA2KK905G322GL5
600	10	32	30	16	27.5	\	11.0	650	1950	10.0	25	12.4	65	0.8	FDA2KK106G322GL5
600	12	32	33	18	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDA2KK126G342GL5
600	15	32	37	22	27.5	\	12.0	975	2925	9.5	28	11.0	65	0.8	FDA2KK156G402GL5
600	15	32	37	22	27.5	10.2	14.5	975	2925	7.0	28	10.2	65	1.0	FDA2KK156G404GB5
600	18	32	37	22	27.5	\	12.5	1170	3510	9.0	28	10.7	65	0.8	FDA2KK186G402GL5
600	18	32	37	22	27.5	10.2	16.5	1170	3510	6.0	28	9.2	65	1.0	FDA2KK186G404GB5
600	10	42	30	17	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDA2KK106K662KL5
600	12	42	30	17	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDA2KK126K662KL5

Rating and Part Number

Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
600	15	42	32	19	37.5	\	9.5	525	1575	11.0	28	15.1	35	1.0	FDA2KK156K212KL5
600	20	42	40	20	37.5	10.2	12.5	700	2100	9.0	30	10.7	35	1.2	FDA2KK206K244KB5
600	22	42	40	20	37.5	10.2	13.5	770	2310	8.0	30	10.3	35	1.2	FDA2KK226K244KB5
600	25	42	40	20	37.5	10.2	15.5	875	2625	7.0	30	8.9	35	1.2	FDA2KK256K244KB5
600	30	42	44	24	37.5	10.2	16.5	1050	3150	6.5	30	8.5	35	1.2	FDA2KK306K324KB5
600	35	42	45	30	37.5	20.3	18.5	1225	3675	6.0	30	7.3	35	1.2	FDA2KK356K424KD5
600	40	42	45	30	37.5	20.3	20.5	1400	4200	5.0	30	7.1	35	1.2	FDA2KK406K424KD5
600	45	42	50	35	37.5	20.3	23.0	1575	4725	4.5	30	6.3	35	1.2	FDA2KK456K474KD5
600	50	42	50	35	37.5	20.3	25.0	1750	5250	4.0	30	6.0	35	1.2	FDA2KK506K474KD5
600	60	42	55	40	37.5	20.3	27.0	2100	6300	3.8	30	5.4	35	1.2	FDA2KK606K494KD5
600	70	42	55	40	37.5	20.3	29.0	2450	7350	3.5	30	5.1	35	1.2	FDA2KK706K494KD5
600	75	42	60	45	37.5	20.3	30.0	2625	7875	3.0	30	5.6	35	1.2	FDA2KK756K524KD5
600	80	42	60	45	37.5	20.3	32.0	2800	8400	2.8	30	5.2	35	1.2	FDA2KK806K524KD5
600	85	42	60	45	37.5	20.3	34.0	2975	8925	2.5	30	5.2	35	1.2	FDA2KK856K524KD5
600	40	57.5	45	25	52.5	10.2	13.5	800	2400	8.0	35	10.3	20	1.2	FDA2KK406M104MB5
600	45	57.5	45	25	52.5	10.2	14.0	900	2700	7.5	35	10.2	20	1.2	FDA2KK456M104MB5
600	50	57.5	45	25	52.5	10.2	15.5	1000	3000	7.0	35	8.9	20	1.2	FDA2KK506M104MB5
600	55	57.5	45	30	52.5	20.3	17.0	1100	3300	6.2	35	8.4	20	1.2	FDA2KK556M164MD5
600	60	57.5	45	30	52.5	20.3	18.5	1200	3600	6.0	35	7.3	20	1.2	FDA2KK606M164MD5
600	65	57.5	50	35	52.5	20.3	20.0	1300	3900	5.5	35	6.8	20	1.2	FDA2KK656M204MD5
600	70	57.5	50	35	52.5	20.3	21.5	1400	4200	5.0	35	6.5	20	1.2	FDA2KK706M204MD5
600	75	57.5	50	35	52.5	20.3	23.5	1500	4500	4.5	35	6.0	20	1.2	FDA2KK756M204MD5
600	80	57.5	50	35	52.5	20.3	24.5	1600	4800	4.2	35	5.9	20	1.2	FDA2KK806M204MD5
600	90	57.5	55	45	52.5	20.3	26.0	1800	5400	4.0	35	5.5	20	1.2	FDA2KK906M324MD5
600	100	57.5	55	45	52.5	20.3	29.0	2000	6000	3.4	35	5.2	20	1.2	FDA2KK107M324MD5
600	110	57.5	55	45	52.5	20.3	30.0	2200	6600	3.0	35	5.6	20	1.2	FDA2KK117M324MD5
600	120	57.5	65	45	52.5	20.3	32.0	2400	7200	2.8	35	5.2	20	1.2	FDA2KK127M344MD5
600	130	57.5	65	45	52.5	20.3	33.0	2600	7800	2.6	35	5.3	20	1.2	FDA2KK137M344MD5
600	140	57.5	65	45	52.5	20.3	34.0	2800	8400	2.5	35	5.2	20	1.2	FDA2KK147M344MD5
700	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDA2MK205G152GL5
700	3	32	20	11	27.5	\	4.0	195	585	28.0	25	33.5	65	0.8	FDA2MK305G182GL5
700	4	32	20	11	27.5	\	5.5	260	780	23.0	25	21.6	65	0.8	FDA2MK405G182GL5
700	5	32	22	13	27.5	\	7.0	325	975	14.5	25	21.1	65	0.8	FDA2MK505G212GL5
700	6	32	24.5	15	27.5	\	7.3	390	1170	13.0	25	21.7	65	0.8	FDA2MK605G272GL5
700	7	32	24.5	15	27.5	\	8.5	455	1365	12.0	25	17.3	65	0.8	FDA2MK705G272GL5
700	8	32	28	14	27.5	\	9.5	520	1560	11.0	25	15.1	65	0.8	FDA2MK805G262GL5
700	9	32	30	16	27.5	\	10.5	585	1755	10.5	25	13.0	65	0.8	FDA2MK905G322GL5
700	10	32	30	16	27.5	\	11.0	650	1950	10.0	25	12.4	65	0.8	FDA2MK106G322GL5
700	12	32	33	18	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDA2MK126G342GL5
700	15	32	37	22	27.5	\	12.0	975	2925	9.5	28	11.0	65	0.8	FDA2MK156G402GL5
700	15	32	37	22	27.5	10.2	14.5	975	2925	7.0	28	10.2	65	1.0	FDA2MK156G404GB5
700	18	32	37	22	27.5	\	12.5	1170	3510	9.0	28	10.7	65	0.8	FDA2MK186G402GL5
700	18	32	37	22	27.5	10.2	16.5	1170	3510	6.0	28	9.2	65	1.0	FDA2MK186G404GB5
700	10	42	30	17	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDA2MK106K662KL5
700	12	42	30	17	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDA2MK126K662KL5
700	15	42	32	19	37.5	\	9.5	525	1575	11.0	28	15.1	35	1.0	FDA2MK156K212KL5
700	20	42	40	20	37.5	10.2	12.5	700	2100	9.0	30	10.7	35	1.2	FDA2MK206K244KB5
700	22	42	40	20	37.5	10.2	13.5	770	2310	8.0	30	10.3	35	1.2	FDA2MK226K244KB5
700	25	42	40	20	37.5	10.2	15.5	875	2625	7.0	30	8.9	35	1.2	FDA2MK256K244KB5
700	30	42	44	24	37.5	10.2	16.5	1050	3150	6.5	30	8.5	35	1.2	FDA2MK306K324KB5
700	35	42	45	30	37.5	20.3	18.5	1225	3675	6.0	30	7.3	35	1.2	FDA2MK356K424KD5
700	40	42	45	30	37.5	20.3	20.5	1400	4200	5.0	30	7.1	35	1.2	FDA2MK406K424KD5
700	45	42	50	35	37.5	20.3	23.0	1575	4725	4.5	30	6.3	35	1.2	FDA2MK456K474KD5
700	50	42	50	35	37.5	20.3	25.0	1750	5250	4.0	30	6.0	35	1.2	FDA2MK506K474KD5
700	60	42	55	40	37.5	20.3	27.0	2100	6300	3.8	30	5.4	35	1.2	FDA2MK606K494KD5
700	70	42	55	40	37.5	20.3	29.0	2450	7350	3.5	30	5.1	35	1.2	FDA2MK706K494KD5

Rating and Part Number

Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
700	75	42	60	45	37.5	20.3	30.0	2625	7875	3.0	30	5.6	35	1.2	FDA2MK756K524KD5
700	80	42	60	45	37.5	20.3	32.0	2800	8400	2.8	30	5.2	35	1.2	FDA2MK806K524KD5
700	85	42	60	45	37.5	20.3	34.0	2975	8925	2.5	30	5.2	35	1.2	FDA2MK856K524KD5
700	40	57.5	45	25	52.5	10.2	13.5	800	2400	8.0	35	10.3	20	1.2	FDA2MK406M104MB5
700	45	57.5	45	25	52.5	10.2	14.0	900	2700	7.5	35	10.2	20	1.2	FDA2MK456M104MB5
700	50	57.5	45	25	52.5	10.2	15.5	1000	3000	7.0	35	8.9	20	1.2	FDA2MK506M104MB5
700	55	57.5	45	30	52.5	20.3	17.0	1100	3300	6.2	35	8.4	20	1.2	FDA2MK556M164MD5
700	60	57.5	45	30	52.5	20.3	18.5	1200	3600	6.0	35	7.3	20	1.2	FDA2MK606M164MD5
700	65	57.5	50	35	52.5	20.3	20.0	1300	3900	5.5	35	6.8	20	1.2	FDA2MK656M204MD5
700	70	57.5	50	35	52.5	20.3	21.5	1400	4200	5.0	35	6.5	20	1.2	FDA2MK706M204MD5
700	75	57.5	50	35	52.5	20.3	23.5	1500	4500	4.5	35	6.0	20	1.2	FDA2MK756M204MD5
700	80	57.5	50	35	52.5	20.3	24.5	1600	4800	4.2	35	5.9	20	1.2	FDA2MK806M204MD5
700	90	57.5	55	45	52.5	20.3	26.0	1800	5400	4.0	35	5.5	20	1.2	FDA2MK906M324MD5
700	100	57.5	55	45	52.5	20.3	29.0	2000	6000	3.4	35	5.2	20	1.2	FDA2MK107M324MD5
700	110	57.5	55	45	52.5	20.3	30.0	2200	6600	3.0	35	5.6	20	1.2	FDA2MK117M324MD5
700	120	57.5	65	45	52.5	20.3	32.0	2400	7200	2.8	35	5.2	20	1.2	FDA2MK127M344MD5
700	130	57.5	65	45	52.5	20.3	33.0	2600	7800	2.6	35	5.3	20	1.2	FDA2MK137M344MD5
700	140	57.5	65	45	52.5	20.3	34.0	2800	8400	2.5	35	5.2	20	1.2	FDA2MK147M344MD5
800	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDA2NK205G152GL5
800	3	32	20	11	27.5	\	4.5	195	585	26.0	25	28.5	65	0.8	FDA2NK305G182GL5
800	4	32	24.5	13	27.5	\	5.8	260	780	22.0	25	20.3	65	0.8	FDA2NK405G222GL5
800	5	32	24.5	15	27.5	\	7.5	325	975	14.0	25	19.0	65	0.8	FDA2NK505G272GL5
800	6	32	30	16	27.5	\	8.5	390	1170	12.0	25	17.3	65	0.8	FDA2NK605G322GL5
800	7	32	30	16	27.5	\	9.5	455	1365	11.0	25	15.1	65	0.8	FDA2NK705G322GL5
800	8	32	33	18	27.5	\	10.5	520	1560	10.5	25	13.0	65	0.8	FDA2NK805G342GL5
800	9	32	33	18	27.5	\	11.5	585	1755	10.2	25	11.1	65	0.8	FDA2NK905G342GL5
800	10	32	37	22	27.5	\	12.0	650	1950	9.5	25	11.0	65	0.8	FDA2NK106G402GL5
800	10	32	37	22	27.5	10.2	14.0	650	1950	8.5	25	9.0	65	1.0	FDA2NK106G404GB5
800	12	32	37	22	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDA2NK126G402GL5
800	12	32	37	22	27.5	10.2	15.0	780	2340	8.0	25	8.3	65	1.0	FDA2NK126G404GB5
800	14	32	37	22	27.5	\	12.0	910	2730	9.5	25	11.0	65	0.8	FDA2NK146G402GL5
800	14	32	37	22	27.5	10.2	16.0	910	2730	7.5	25	7.8	65	1.0	FDA2NK146G404GB5
800	8	42	30	17	37.5	\	5.5	280	840	22.5	28	22.0	35	1.0	FDA2NK805K662KL5
800	9	42	30	17	37.5	\	6.0	315	945	21.5	28	19.4	35	1.0	FDA2NK905K662KL5
800	10	42	32	19	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDA2NK106K212KL5
800	12	42	32	19	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDA2NK126K212KL5
800	14	42	32	19	37.5	\	9.5	490	1470	11.0	28	15.1	35	1.0	FDA2NK146K212KL5
800	15	42	40	20	37.5	10.2	12.5	525	1575	9.0	30	10.7	35	1.2	FDA2NK156K244KB5
800	20	42	44	24	37.5	10.2	13.5	700	2100	8.0	30	10.3	35	1.2	FDA2NK206K324KB5
800	25	42	44	24	37.5	10.2	16.5	875	2625	6.5	30	8.5	35	1.2	FDA2NK256K324KB5
800	30	42	45	30	37.5	20.3	20.0	1050	3150	5.8	30	6.5	35	1.2	FDA2NK306K424KD5
800	35	42	50	35	37.5	20.3	22.0	1225	3675	5.5	30	5.6	35	1.2	FDA2NK356K474KD5
800	40	42	50	35	37.5	20.3	25.0	1400	4200	4.8	30	5.0	35	1.2	FDA2NK406K474KD5
800	45	42	55	40	37.5	20.3	28.0	1575	4725	4.0	30	4.8	35	1.2	FDA2NK456K494KD5
800	50	42	55	40	37.5	20.3	31.0	1750	5250	3.6	30	4.3	35	1.2	FDA2NK506K494KD5
800	55	42	60	45	37.5	20.3	32.5	1925	5775	3.4	30	4.2	35	1.2	FDA2NK556K524KD5
800	60	42	60	45	37.5	20.3	34.0	2100	6300	3.2	30	4.1	35	1.2	FDA2NK606K524KD5
800	65	42	60	45	37.5	20.3	35.0	2275	6825	2.8	30	4.4	35	1.2	FDA2NK656K524KD5
800	25	57.5	45	25	52.5	10.2	8.5	500	1500	12.0	35	17.3	20	1.2	FDA2NK256M104MB5
800	30	57.5	45	25	52.5	10.2	10.0	600	1800	10.5	35	14.3	20	1.2	FDA2NK306M104MB5
800	35	57.5	45	25	52.5	10.2	12.0	700	2100	9.5	35	11.0	20	1.2	FDA2NK356M104MB5
800	40	57.5	45	30	52.5	20.3	14.0	800	2400	8.5	35	9.0	20	1.2	FDA2NK406M164MD5
800	45	57.5	45	30	52.5	20.3	15.5	900	2700	7.0	35	8.9	20	1.2	FDA2NK456M164MD5
800	50	57.5	50	35	52.5	20.3	17.0	1000	3000	5.8	35	8.9	20	1.2	FDA2NK506M204MD5
800	55	57.5	50	35	52.5	20.3	19.0	1100	3300	5.5	35	7.6	20	1.2	FDA2NK556M204MD5
800	60	57.5	50	35	52.5	20.3	21.0	1200	3600	4.8	35	7.1	20	1.2	FDA2NK606M204MD5

Rating and Part Number

Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
800	65	57.5	55	45	52.5	20.3	22.5	1300	3900	4.6	35	6.4	20	1.2	FDA2NK656M324MD5
800	70	57.5	55	45	52.5	20.3	24.0	1400	4200	4.5	35	5.8	20	1.2	FDA2NK706M324MD5
800	75	57.5	55	45	52.5	20.3	25.5	1500	4500	4.3	35	5.4	20	1.2	FDA2NK756M324MD5
800	80	57.5	55	45	52.5	20.3	26.0	1600	4800	4.2	35	5.3	20	1.2	FDA2NK806M324MD5
800	90	57.5	55	45	52.5	20.3	27.5	1800	5400	4.0	35	5.0	20	1.2	FDA2NK906M324MD5
800	100	57.5	65	45	52.5	20.3	31.5	2000	6000	3.2	35	4.7	20	1.2	FDA2NK107M344MD5
800	110	57.5	65	45	52.5	20.3	34.0	2200	6600	3.0	35	4.3	20	1.2	FDA2NK117M344MD5
900	1	32	18	9	27.5	\	2.0	70	210	65.0	25	57.7	70	0.8	FDA2QK105G152GL5
900	2	32	20	11	27.5	\	3.2	140	420	38.0	25	38.5	70	0.8	FDA2QK205G182GL5
900	3	32	22	13	27.5	\	4.8	210	630	30.0	25	21.7	70	0.8	FDA2QK305G212GL5
900	4	32	24.5	15	27.5	\	6.0	280	840	20.5	25	20.3	70	0.8	FDA2QK405G272GL5
900	5	32	30	16	27.5	\	7.5	350	1050	12.0	25	22.2	70	0.8	FDA2QK505G322GL5
900	6	32	33	18	27.5	\	7.8	420	1260	11.5	25	21.4	70	0.8	FDA2QK605G342GL5
900	7	32	33	18	27.5	\	10.5	490	1470	10.2	25	13.3	70	0.8	FDA2QK705G342GL5
900	8	32	37	22	27.5	\	11.5	560	1680	9.5	25	11.9	70	0.8	FDA2QK805G402GL5
900	8	32	37	22	27.5	10.2	12.5	560	1680	9.0	25	10.7	70	1.0	FDA2QK805G404GB5
900	9	32	37	22	27.5	\	11.8	630	1890	9.7	25	11.1	70	0.8	FDA2QK905G402GL5
900	9	32	37	22	27.5	10.2	14.0	630	1890	7.8	25	9.8	70	1.0	FDA2QK905G404GB5
900	10	32	37	22	27.5	\	12.0	700	2100	9.5	25	11.0	70	0.8	FDA2QK106G402GL5
900	10	32	37	22	27.5	10.2	15.5	700	2100	7.2	25	8.7	70	1.0	FDA2QK106G404GB5
900	5	42	30	17	37.5	\	3.8	175	525	28.0	28	37.1	35	1.0	FDA2QK505K662KL5
900	6	42	30	17	37.5	\	4.5	210	630	25.0	28	29.6	35	1.0	FDA2QK605K662KL5
900	7	42	30	17	37.5	\	5.0	245	735	22.0	28	27.3	35	1.0	FDA2QK705K662KL5
900	8	42	32	19	37.5	\	6.0	280	840	19.5	28	21.4	35	1.0	FDA2QK805K212KL5
900	10	42	40	20	37.5	10.2	7.5	350	1050	13.0	30	20.5	35	1.2	FDA2QK106K244KB5
900	12	42	37	22	37.5	10.2	9.0	420	1260	11.5	30	16.1	35	1.2	FDA2QK126K274KB5
900	15	42	44	24	37.5	10.2	10.5	525	1575	10.5	30	13.0	35	1.2	FDA2QK156K324KB5
900	18	42	44	24	37.5	10.2	13.0	630	1890	8.8	30	10.1	35	1.2	FDA2QK186K324KB5
900	20	42	44	24	37.5	10.2	14.5	700	2100	7.5	30	9.5	35	1.2	FDA2QK206K324KB5
900	25	42	45	30	37.5	20.3	17.5	875	2625	6.2	30	7.9	35	1.2	FDA2QK256K424KD5
900	30	42	50	35	37.5	20.3	21.5	1050	3150	5.0	30	6.5	35	1.2	FDA2QK306K474KD5
900	35	42	55	40	37.5	20.3	23.0	1225	3675	4.6	30	6.2	35	1.2	FDA2QK356K494KD5
900	40	42	55	40	37.5	20.3	26.5	1400	4200	3.9	30	5.5	35	1.2	FDA2QK406K494KD5
900	45	42	60	45	37.5	20.3	30.0	1575	4725	3.4	30	4.9	35	1.2	FDA2QK456K524KD5
900	50	42	60	45	37.5	20.3	33.5	1750	5250	3.0	30	4.5	35	1.2	FDA2QK506K524KD5
900	15	57.5	45	25	52.5	10.2	5.5	300	900	22.0	35	22.5	20	1.2	FDA2QK156M104MB5
900	20	57.5	45	25	52.5	10.2	7.5	400	1200	13.5	35	19.8	20	1.2	FDA2QK206M104MB5
900	25	57.5	45	25	52.5	10.2	9.0	500	1500	11.5	35	16.1	20	1.2	FDA2QK256M104MB5
900	30	57.5	45	30	52.5	20.3	11.0	600	1800	10.0	35	12.4	20	1.2	FDA2QK306M164MD5
900	35	57.5	45	30	52.5	20.3	12.5	700	2100	9.0	35	10.7	20	1.2	FDA2QK356M164MD5
900	40	57.5	50	35	52.5	20.3	14.5	800	2400	7.5	35	9.5	20	1.2	FDA2QK406M204MD5
900	45	57.5	50	35	52.5	20.3	16.0	900	2700	6.8	35	8.6	20	1.2	FDA2QK456M204MD5
900	50	57.5	50	35	52.5	20.3	18.0	1000	3000	6.4	35	7.2	20	1.2	FDA2QK506M204MD5
900	55	57.5	55	45	52.5	20.3	20.0	1100	3300	5.6	35	6.7	20	1.2	FDA2QK556M324MD5
900	60	57.5	55	45	52.5	20.3	21.5	1200	3600	4.8	35	6.8	20	1.2	FDA2QK606M324MD5
900	65	57.5	55	45	52.5	20.3	23.0	1300	3900	4.5	35	6.3	20	1.2	FDA2QK656M324MD5
900	70	57.5	65	45	52.5	20.3	25.0	1400	4200	4.0	35	6.0	20	1.2	FDA2QK706M344MD5
900	75	57.5	65	45	52.5	20.3	25.5	1500	4500	3.9	35	5.9	20	1.2	FDA2QK756M344MD5
900	80	57.5	65	45	52.5	20.3	26.5	1600	4800	3.8	35	5.6	20	1.2	FDA2QK806M344MD5
900	85	57.5	65	45	52.5	20.3	28.5	1700	5100	3.6	35	5.1	20	1.2	FDA2QK856M344MD5
1000	1	32	18	9	27.5	\	2.0	75	225	65.0	25	57.7	75	0.8	FDA3KK105G152GL5
1000	2	32	22	13	27.5	\	3.5	150	450	38.0	25	32.2	75	0.8	FDA3KK205G212GL5
1000	3	32	24.5	15	27.5	\	5.0	225	675	22.0	25	27.3	75	0.8	FDA3KK305G272GL5
1000	4	32	30	16	27.5	\	7.0	300	900	16.5	25	18.6	75	0.8	FDA3KK405G322GL5
1000	5	32	33	18	27.5	\	8.5	375	1125	12.5	25	16.6	75	0.8	FDA3KK505G342GL5
1000	6	32	33	18	27.5	\	9.0	450	1350	11.5	25	16.1	75	0.8	FDA3KK605G342GL5

Rating and Part Number

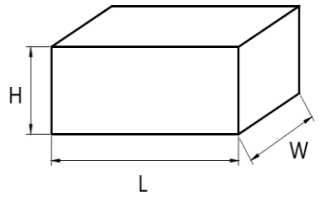
Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
1000	7	32	37	22	27.5	\	9.5	525	1575	11.0	25	15.1	75	0.8	FDA3KK705G402GL5
1000	7	32	37	22	27.5	10.2	11.5	525	1575	9.8	25	11.6	75	1.0	FDA3KK705G404GB5
1000	8	32	37	22	27.5	\	10.5	600	1800	10.5	25	13.0	75	0.8	FDA3KK805G402GL5
1000	8	32	37	22	27.5	10.2	13.0	600	1800	8.8	25	10.1	75	1.0	FDA3KK805G404GB5
1000	5	42	30	17	37.5	\	3.8	175	525	28.0	28	37.1	35	1.0	FDA3KK505K662KL5
1000	6	42	30	17	37.5	\	4.5	210	630	25.0	28	29.6	35	1.0	FDA3KK605K662KL5
1000	7	42	30	17	37.5	\	5.0	245	735	22.0	28	27.3	35	1.0	FDA3KK705K662KL5
1000	8	42	32	19	37.5	\	6.0	280	840	19.5	28	21.4	35	1.0	FDA3KK805K212KL5
1000	10	42	40	20	37.5	10.2	7.5	350	1050	13.0	30	20.5	35	1.2	FDA3KK106K244KB5
1000	12	42	37	22	37.5	10.2	9.0	420	1260	11.5	30	16.1	35	1.2	FDA3KK126K274KB5
1000	15	42	44	24	37.5	10.2	11.5	525	1575	10.0	30	11.3	35	1.2	FDA3KK156K324KB5
1000	18	42	45	30	37.5	20.3	14.0	630	1890	7.8	30	9.8	35	1.2	FDA3KK186K424KD5
1000	20	42	45	30	37.5	20.3	15.5	700	2100	7.0	30	8.9	35	1.2	FDA3KK206K424KD5
1000	25	42	50	35	37.5	20.3	19.5	875	2625	5.5	30	7.2	35	1.2	FDA3KK256K474KD5
1000	30	42	55	40	37.5	20.3	23.0	1050	3150	4.6	30	6.2	35	1.2	FDA3KK306K494KD5
1000	35	42	55	40	37.5	20.3	25.0	1225	3675	4.0	30	6.0	35	1.2	FDA3KK356K494KD5
1000	40	42	60	45	37.5	20.3	28.5	1400	4200	3.6	30	5.1	35	1.2	FDA3KK406K524KD5
1000	15	57.5	45	25	52.5	10.2	5.8	300	900	19.8	35	22.5	20	1.2	FDA3KK156M104MB5
1000	20	57.5	45	25	52.5	10.2	7.5	400	1200	13.5	35	19.8	20	1.2	FDA3KK206M104MB5
1000	25	57.5	45	25	52.5	10.2	9.5	500	1500	11.0	35	15.1	20	1.2	FDA3KK256M104MB5
1000	30	57.5	45	30	52.5	20.3	11.5	600	1800	9.8	35	11.6	20	1.2	FDA3KK306M164MD5
1000	35	57.5	45	30	52.5	20.3	13.5	700	2100	8.0	35	10.3	20	1.2	FDA3KK356M164MD5
1000	40	57.5	50	35	52.5	20.3	15.5	800	2400	7.0	35	8.9	20	1.2	FDA3KK406M204MD5
1000	45	57.5	55	45	52.5	20.3	17.5	900	2700	6.2	35	7.9	20	1.2	FDA3KK456M324MD5
1000	50	57.5	55	45	52.5	20.3	19.5	1000	3000	5.8	35	6.8	20	1.2	FDA3KK506M324MD5
1000	55	57.5	55	45	52.5	20.3	21.0	1100	3300	5.0	35	6.8	20	1.2	FDA3KK556M324MD5
1000	60	57.5	65	45	52.5	20.3	23.0	1200	3600	4.6	35	6.2	20	1.2	FDA3KK606M344MD5
1000	65	57.5	65	45	52.5	20.3	25.0	1300	3900	4.2	35	5.7	20	1.2	FDA3KK656M344MD5
1000	70	57.5	65	45	52.5	20.3	27.0	1400	4200	3.8	35	5.4	20	1.2	FDA3KK706M344MD5
1100	1	32	20	11	27.5	\	2.2	80	240	65.0	25	47.7	80	0.8	FDA3MK105G182GL5
1100	1.5	32	22	13	27.5	\	2.5	120	360	46.0	25	52.2	80	0.8	FDA3MK155G212GL5
1100	2	32	24.5	13	27.5	\	4.8	160	480	24.5	25	26.6	80	0.8	FDA3MK205G222GL5
1100	3	32	30	16	27.5	\	6.5	240	720	18.5	25	19.2	80	0.8	FDA3MK305G322GL5
1100	4	32	33	18	27.5	\	8.5	320	960	12.5	25	16.6	80	0.8	FDA3MK405G342GL5
1100	5	32	37	22	27.5	\	9.8	400	1200	10.8	25	14.5	80	0.8	FDA3MK505G402GL5
1100	5	32	37	22	27.5	10.2	10.5	400	1200	10.5	25	13.0	80	1.0	FDA3MK505G404GB5
1100	6	32	37	22	27.5	\	10.5	480	1440	10.5	25	13.0	80	0.8	FDA3MK605G402GL5
1100	6	32	37	22	27.5	10.2	13.0	480	1440	8.8	25	10.1	80	1.0	FDA3MK605G404GB5
1100	3	42	30	17	37.5	\	2.5	120	360	46.0	28	52.2	40	1.0	FDA3MK305K662KL5
1100	4	42	30	17	37.5	\	3.5	160	480	32.5	28	37.7	40	1.0	FDA3MK405K662KL5
1100	4.7	42	32	19	37.5	\	4.0	188	564	28.0	28	33.5	40	1.0	FDA3MK475K212KL5
1100	5	42	32	19	37.5	\	4.2	200	600	26.0	28	32.7	40	1.0	FDA3MK505K212KL5
1100	6	42	32	19	37.5	\	5.0	240	720	23.5	28	25.5	40	1.0	FDA3MK605K212KL5
1100	7	42	40	20	37.5	10.2	6.0	280	840	18.5	30	22.5	40	1.2	FDA3MK705K244KB5
1100	8	42	37	22	37.5	10.2	6.5	320	960	16.5	30	21.5	40	1.2	FDA3MK805K274KB5
1100	9	42	37	22	37.5	10.2	7.5	360	1080	13.0	30	20.5	40	1.2	FDA3MK905K274KB5
1100	10	42	44	24	37.5	10.2	8.5	400	1200	12.0	30	17.3	40	1.2	FDA3MK106K324KB5
1100	12	42	44	24	37.5	10.2	10.0	480	1440	10.8	30	13.9	40	1.2	FDA3MK126K324KB5
1100	14	42	45	30	37.5	20.3	12.0	560	1680	9.5	30	11.0	40	1.2	FDA3MK146K424KD5
1100	15	42	45	30	37.5	20.3	13.0	600	1800	8.5	30	10.4	40	1.2	FDA3MK156K424KD5
1100	18	42	50	35	37.5	20.3	15.0	720	2160	7.0	30	9.5	40	1.2	FDA3MK186K474KD5
1100	20	42	50	35	37.5	20.3	16.5	800	2400	6.5	30	8.5	40	1.2	FDA3MK206K474KD5
1100	25	42	55	40	37.5	20.3	20.5	1000	3000	5.0	30	7.1	40	1.2	FDA3MK256K494KD5
1100	30	42	60	45	37.5	20.3	24.5	1200	3600	4.3	30	5.8	40	1.2	FDA3MK306K524KD5
1100	15	57.5	45	25	52.5	10.2	6.5	300	900	16.5	35	21.5	20	1.2	FDA3MK156M104MB5
1100	20	57.5	45	30	52.5	20.3	9.0	400	1200	11.5	35	16.1	20	1.2	FDA3MK206M164MD5

Rating and Part Number

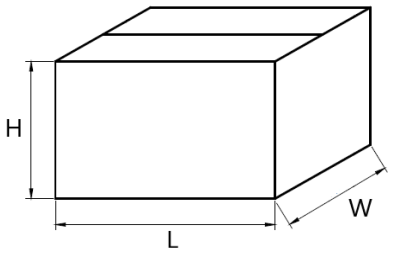
Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
1100	25	57.5	50	35	52.5	20.3	11.0	500	1500	10.0	35	12.4	20	1.2	FDA3MK256M204MD5
1100	30	57.5	50	35	52.5	20.3	13.0	600	1800	8.6	35	10.3	20	1.2	FDA3MK306M204MD5
1100	35	57.5	55	45	52.5	20.3	14.5	700	2100	7.5	35	9.5	20	1.2	FDA3MK356M324MD5
1100	40	57.5	55	45	52.5	20.3	16.0	800	2400	6.8	35	8.6	20	1.2	FDA3MK406M324MD5
1100	45	57.5	55	45	52.5	20.3	17.5	900	2700	6.2	35	7.9	20	1.2	FDA3MK456M324MD5
1100	50	57.5	65	45	52.5	20.3	19.5	1000	3000	5.6	35	7.0	20	1.2	FDA3MK506M344MD5
1100	55	57.5	65	45	52.5	20.3	21.5	1100	3300	4.8	35	6.8	20	1.2	FDA3MK556M344MD5
1200	1	32	20	11	27.5	\	3.5	90	270	35.0	25	35.0	90	0.8	FDA3BK105G182GL5
1200	2	32	24.5	15	27.5	\	5.0	180	540	24.0	25	25.0	90	0.8	FDA3BK205G272GL5
1200	3	32	30	16	27.5	\	7.5	270	810	13.0	25	20.5	90	0.8	FDA3BK305G322GL5
1200	4	32	33	18	27.5	\	9.5	360	1080	11.0	25	15.1	90	0.8	FDA3BK405G342GL5
1200	5	32	37	22	27.5	\	10.5	450	1350	10.5	25	13.0	90	0.8	FDA3BK505G402GL5
1200	5	32	37	22	27.5	10.2	12.0	450	1350	9.5	25	11.0	90	1.0	FDA3BK505G404GB5
1200	3	42	30	17	37.5	\	3.2	135	405	35.0	28	41.9	45	1.0	FDA3BK305K662KL5
1200	4	42	30	17	37.5	\	4.2	180	540	28.0	28	30.4	45	1.0	FDA3BK405K662KL5
1200	5	42	32	19	37.5	\	5.5	225	675	21.5	28	23.1	45	1.0	FDA3BK505K212KL5
1200	6	42	40	20	37.5	10.2	6.5	270	810	16.5	30	21.5	45	1.2	FDA3BK605K244KB5
1200	7	42	37	22	37.5	10.2	7.5	315	945	13.0	30	20.5	45	1.2	FDA3BK705K274KB5
1200	8	42	44	24	37.5	10.2	8.5	360	1080	12.0	30	17.3	45	1.2	FDA3BK805K324KB5
1200	9	42	44	24	37.5	10.2	10.0	405	1215	10.8	30	13.9	45	1.2	FDA3BK905K324KB5
1200	10	42	44	24	37.5	10.2	11.0	450	1350	10.0	30	12.4	45	1.2	FDA3BK106K324KB5
1200	12	42	45	30	37.5	20.3	13.0	540	1620	8.5	30	10.4	45	1.2	FDA3BK126K424KD5
1200	15	42	50	35	37.5	20.3	16.0	675	2025	6.8	30	8.6	45	1.2	FDA3BK156K474KD5
1200	18	42	50	35	37.5	20.3	18.0	810	2430	6.2	30	7.5	45	1.2	FDA3BK186K474KD5
1200	20	42	55	40	37.5	20.3	20.0	900	2700	5.5	30	6.8	45	1.2	FDA3BK206K494KD5
1200	25	42	60	45	37.5	20.3	25.0	1125	3375	4.3	30	5.6	45	1.2	FDA3BK256K524KD5
1200	12	57.5	45	25	52.5	10.2	6.5	300	900	16.5	35	21.5	25	1.2	FDA3BK126M104MB5
1200	15	57.5	45	25	52.5	10.2	7.5	375	1125	13.0	35	20.5	25	1.2	FDA3BK156M104MB5
1200	20	57.5	45	30	52.5	20.3	11.0	500	1500	10.0	35	12.4	25	1.2	FDA3BK206M164MD5
1200	25	57.5	50	35	52.5	20.3	13.0	625	1875	8.6	35	10.3	25	1.2	FDA3BK256M204MD5
1200	30	57.5	55	45	52.5	20.3	14.5	750	2250	7.5	35	9.5	25	1.2	FDA3BK306M324MD5
1200	35	57.5	55	45	52.5	20.3	16.0	875	2625	6.8	35	8.6	25	1.2	FDA3BK356M324MD5
1200	40	57.5	65	45	52.5	20.3	20.0	1000	3000	5.5	35	6.8	25	1.2	FDA3BK406M344MD5
1200	45	57.5	65	45	52.5	20.3	22.5	1125	3375	4.8	35	6.2	25	1.2	FDA3BK456M344MD5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity	
		W	H	T	Long Leads	Short Leads
27.5	G15	32	18	9	340	340
	G18	32	20	11	280	280
	G21	32	22	13	230	230
	G22	32	24.5	13	230	230
	G26	32	28	14	220	220
	G27	32	24.5	15	200	200
	G32	32	30	16	190	190
	G34	32	33	18	170	170
	G40	32	37	22	140	140
37.5	K21	42	32	19	112	112
	K24	42	40	20	105	105
	K27	42	37	22	98	98
	K32	42	44	24	91	91
	K37	42	37	28	77	77
	K39	42	43	28	77	77
	K42	42	45	30	70	70
	K47	42	50	35	63	63
	K49	42	55	40	49	49
	K52	42	60	45	49	49
	K66	42	30	17	126	126
52.5	M10	57.5	45	25	60	60
	M16	57.5	45	30	50	50
	M20	57.5	50	35	45	45
	M23	57.5	65	35	45	45
	M32	57.5	55	45	35	35
	M34	57.5	65	45	35	35

Overview

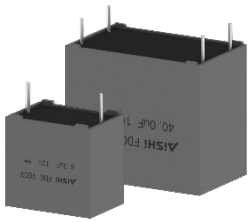
The FDG capacitor is constructed of metallized polypropylene film encapsulated with epoxy resin in a plastic box, with 2 or 4 tinned copper wire. These FDG series is suitable for harsh environment conditions and compliant to THB Grade IIIB.

Applications

Widely used in high performance DC Link, DC filtering, frequency converters, industrial power supply, solar inverter and energy storage. Not suitable for across the line application.

Features

- Self-healing
- High capacitance density
- Operating temperature range: - 40°C to 105°C
- High ripple current and low loss
- High contact reliability
- Suitable for high frequency applications
- Suitable for harsh environmental conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{NDC})



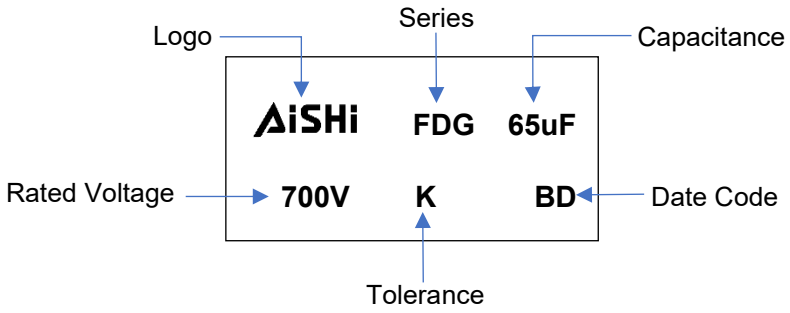
Applicable Standard

Approval	Specification	File Number
c UL us	UL 810	E500537

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	450Vdc to 1200Vdc
Capacitance Range	1.0μF to 200μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤0.002 (0.2%) at 1KHz; C ≤20μF at 25°C ≤0.003 (0.3%) at 1KHz; C >20μF at 25°C ≤0.004 (0.4%) at 1KHz; C >80μF at 25°C
Insulation Resistance	RC between leads, IR xC≥30,000 s at 100vdc 1minute at +25°C

Marking



Part Number System

F	DG	2M	K	656	M20	4MD	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	DC Link, THB Type, Metallized PP Film	450=2W 500=2H 550=2J 600=2K 700=2M 800=2N 900=2Q 1000=3K 1100=3M 1200=3B	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

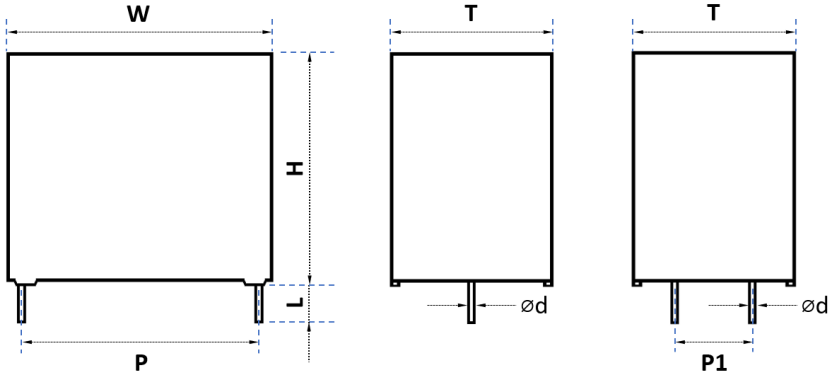
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	27.5mm	G	10.2mm	B
2 leads for straight cut	2	37.5mm	K	12.7mm	G
2 leads for forming cut	E	52.5mm	M	20.3mm	D
4 leads for straight cut	4	N/A	N	N/A	L
6 leads for straight cut	6				

Lead Length Code

Lead Length	
2.5mm	A
2.8mm	C
3.0mm	3
3.2mm	1
3.5mm	2
3.8mm	E
4.0mm	4
4.5mm	D
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins 4 pins

Size Code Table (mm)

Size Code	Dimension						Pitch				Ød		
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	P1	Tolerance	4 Leads	2 Leads	Tolerance
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	\	\	\	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	\	\	\	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	\	\	\	0.8	0.05
G32	32	0.8	30	0.8	16	0.8	27.5	0.5	\	\	\	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	10.2	0.5	1.0	0.8	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	\	\	\	1.0	0.05
K24	42	1.0	40	1.0	20	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K27	42	1.0	37	1.0	22	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K37	42	1.0	37	1.0	28	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K39	42	1.0	43	1.0	28	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K47	42	1.0	50	1.0	35	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K49	42	1.0	55	1.0	40	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K52	42	1.0	60	1.0	45	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K66	42	1.0	30	1.0	17	1.0	37.5	0.5	\	\	\	1.0	0.05
M10	57.5	1.0	45	1.0	25	1.0	52.5	0.5	10.2	0.5	1.2	1.2	0.05
M16	57.5	1.0	45	1.0	30	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M20	57.5	1.0	50	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M23	57.5	1.0	65	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M32	57.5	1.0	55	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M34	57.5	1.0	65	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05

Rating and Part Number

Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
450	5	32	20	11	27.5	\	5.0	325	975	20.0	25	30.0	65	0.8	FDG2WK505G182GL5
450	10	32	24.5	15	27.5	\	7.0	650	1950	11.0	25	27.8	65	0.8	FDG2WK106G272GL5
450	15	32	33	18	27.5	\	11.0	975	2925	7.0	25	17.7	65	0.8	FDG2WK156G342GL5
450	22	32	37	22	27.5	\	11.0	1430	4290	5.0	28	24.8	65	0.8	FDG2WK226G402GL5
450	25	32	37	22	27.5	\	12.0	1625	4875	4.8	28	24.8	65	0.8	FDG2WK256G402GL5
450	30	42	40	20	37.5	10.2	12.5	1050	3150	7.5	30	12.8	35	1.2	FDG2WK306K244KB5
450	35	42	37	22	37.5	10.2	13.5	1225	3675	7.0	30	11.8	35	1.2	FDG2WK406K274KB5
450	40	42	37	28	37.5	10.2	14.5	1400	4200	6.2	30	11.5	35	1.2	FDG2WK406K374KB5
450	50	42	43	28	37.5	10.2	16.0	1750	5250	5.0	30	11.7	35	1.2	FDG2WK506K394KB5
450	50	42	45	30	37.5	20.3	16.0	1750	5250	5.0	30	11.7	35	1.2	FDG2WK506K424KD5
450	60	42	45	30	37.5	20.3	16.5	2100	6300	4.5	30	12.2	35	1.2	FDG2WK606K424KD5
450	80	42	50	35	37.5	20.3	20.5	2800	8400	3.8	30	12.2	35	1.2	FDG2WK806K474KD5
450	110	42	60	45	37.5	20.3	24.5	3850	11550	3.6	30	12.2	35	1.2	FDG2WK117K524KD5
450	130	42	60	45	37.5	20.3	28.5	4550	13650	3.0	30	12.2	35	1.2	FDG2WK137K524KD5
450	75	57.5	45	30	52.5	20.3	16.5	1500	4500	5.5	35	10.0	20	1.2	FDG2WK756M164MD5
450	80	57.5	45	30	52.5	20.3	17.0	1600	4800	5.0	35	10.4	20	1.2	FDG2WK806M164MD5
450	100	57.5	50	35	52.5	20.3	18.0	2000	6000	4.5	35	10.3	20	1.2	FDG2WK107M204MD5
450	110	57.5	50	35	52.5	20.3	19.0	2200	6600	4.0	35	10.4	20	1.2	FDG2WK117M204MD5
450	120	57.5	50	35	52.5	20.3	21.5	2400	7200	3.8	35	10.4	20	1.2	FDG2WK127M204MD5
450	150	57.5	65	35	52.5	20.3	24.5	3000	9000	3.6	35	10.4	20	1.2	FDG2WK157M234MD5
450	160	57.5	55	45	52.5	20.3	28.5	3200	9600	3.0	35	10.4	20	1.2	FDG2WK167M324MD5
450	200	57.5	65	45	52.5	20.3	33.0	4000	12000	2.6	35	10.4	20	1.2	FDG2WK207M344MD5
550	5	32	22	13	27.5	\	5.5	325	975	19.5	25	25.4	65	0.8	FDG2JK505G212GL5
550	10	32	33	18	27.5	\	7.5	650	1950	10.5	25	25.4	65	0.8	FDG2JK106G342GL5
550	15	32	37	22	27.5	\	11.5	975	2925	6.8	28	16.7	65	0.8	FDG2JK156G402GL5
550	22	32	37	22	27.5	\	11.5	1430	4290	4.9	28	23.1	65	0.8	FDG2JK226G402GL5
550	30	42	44	24	37.5	10.2	13.0	1050	3150	7.2	30	12.3	35	1.2	FDG2JK306K324KB5
550	35	42	45	30	37.5	20.3	13.8	1225	3675	6.8	30	11.6	35	1.2	FDG2JK356K424KD5
550	40	42	45	30	37.5	20.3	14.8	1400	4200	6.0	30	11.4	35	1.2	FDG2JK406K424KD5
550	50	42	50	35	37.5	20.3	17.0	1750	5250	4.8	30	10.8	35	1.2	FDG2JK506K474KD5
550	60	42	50	35	37.5	20.3	18.0	2100	6300	4.2	30	11.0	35	1.2	FDG2JK606K474KD5
550	70	42	50	35	37.5	20.3	20.5	2450	7350	3.8	30	11.0	35	1.2	FDG2JK706K474KD5
550	110	42	60	45	37.5	20.3	24.5	3850	11550	3.6	30	11.0	35	1.2	FDG2JK117K524KD5
550	75	57.5	45	30	52.5	20.3	16.8	1500	4500	5.2	35	10.2	20	1.2	FDG2JK756M164MD5
550	100	57.5	50	35	52.5	20.3	18.5	2000	6000	4.3	35	10.2	20	1.2	FDG2JK107M204MD5
550	110	57.5	50	35	52.5	20.3	20.0	2200	6600	4.0	35	9.4	20	1.2	FDG2JK117M204MD5
550	140	57.5	55	45	52.5	20.3	26.0	2800	8400	3.5	35	6.3	20	1.2	FDG2JK147M324MD5
550	140	57.5	65	35	52.5	20.3	26.0	2800	8400	3.5	35	6.3	20	1.2	FDG2JK147M234MD5
550	170	57.5	65	45	52.5	20.3	32.0	3400	10200	2.8	35	5.2	20	1.2	FDG2JK177M344MD5
550	180	57.5	65	45	52.5	20.3	33.0	3600	10800	2.6	35	5.2	20	1.2	FDG2JK187M344MD5
600	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDG2KK205G152GL5
600	3	32	20	11	27.5	\	4.0	195	585	28.0	25	33.5	65	0.8	FDG2KK305G182GL5
600	4	32	20	11	27.5	\	5.5	260	780	23.0	25	21.6	65	0.8	FDG2KK405G182GL5
600	5	32	22	13	27.5	\	7.0	325	975	14.5	25	21.1	65	0.8	FDG2KK505G212GL5
600	6	32	24.5	15	27.5	\	7.3	390	1170	13.0	25	21.7	65	0.8	FDG2KK605G272GL5
600	7	32	24.5	15	27.5	\	8.5	455	1365	12.0	25	17.3	65	0.8	FDG2KK705G272GL5
600	8	32	28	14	27.5	\	9.5	520	1560	11.0	25	15.1	65	0.8	FDG2KK805G262GL5
600	9	32	30	16	27.5	\	10.5	585	1755	10.5	25	13.0	65	0.8	FDG2KK905G322GL5
600	10	32	30	16	27.5	\	11.0	650	1950	10.0	25	12.4	65	0.8	FDG2KK106G322GL5
600	12	32	33	18	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDG2KK126G342GL5
600	15	32	37	22	27.5	\	12.0	975	2925	9.5	28	11.0	65	0.8	FDG2KK156G402GL5
600	15	32	37	22	27.5	10.2	14.5	975	2925	7.0	28	10.2	65	1.0	FDG2KK156G404GB5
600	18	32	37	22	27.5	\	12.5	1170	3510	9.0	28	10.7	65	0.8	FDG2KK186G402GL5
600	18	32	37	22	27.5	10.2	16.5	1170	3510	6.0	28	9.2	65	1.0	FDG2KK186G404GB5
600	10	42	30	17	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDG2KK106K662KL5
600	12	42	30	17	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDG2KK126K662KL5

Rating and Part Number

Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
600	15	42	32	19	37.5	\	9.5	525	1575	11.0	28	15.1	35	1.0	FDG2KK156K212KL5
600	20	42	40	20	37.5	10.2	12.5	700	2100	9.0	30	10.7	35	1.2	FDG2KK206K244KB5
600	22	42	40	20	37.5	10.2	13.5	770	2310	8.0	30	10.3	35	1.2	FDG2KK226K244KB5
600	25	42	40	20	37.5	10.2	15.5	875	2625	7.0	30	8.9	35	1.2	FDG2KK256K244KB5
600	30	42	44	24	37.5	10.2	16.5	1050	3150	6.5	30	8.5	35	1.2	FDG2KK306K324KB5
600	35	42	45	30	37.5	20.3	18.5	1225	3675	6.0	30	7.3	35	1.2	FDG2KK356K424KD5
600	40	42	45	30	37.5	20.3	20.5	1400	4200	5.0	30	7.1	35	1.2	FDG2KK406K424KD5
600	45	42	50	35	37.5	20.3	23.0	1575	4725	4.5	30	6.3	35	1.2	FDG2KK456K474KD5
600	50	42	50	35	37.5	20.3	25.0	1750	5250	4.0	30	6.0	35	1.2	FDG2KK506K474KD5
600	60	42	55	40	37.5	20.3	27.0	2100	6300	3.8	30	5.4	35	1.2	FDG2KK606K494KD5
600	70	42	55	40	37.5	20.3	29.0	2450	7350	3.5	30	5.1	35	1.2	FDG2KK706K494KD5
600	75	42	60	45	37.5	20.3	30.0	2625	7875	3.0	30	5.6	35	1.2	FDG2KK756K524KD5
600	80	42	60	45	37.5	20.3	32.0	2800	8400	2.8	30	5.2	35	1.2	FDG2KK806K524KD5
600	85	42	60	45	37.5	20.3	34.0	2975	8925	2.5	30	5.2	35	1.2	FDG2KK856K524KD5
600	40	57.5	45	25	52.5	10.2	13.5	800	2400	8.0	35	10.3	20	1.2	FDG2KK406M104MB5
600	45	57.5	45	25	52.5	10.2	14.0	900	2700	7.5	35	10.2	20	1.2	FDG2KK456M104MB5
600	50	57.5	45	25	52.5	10.2	15.5	1000	3000	7.0	35	8.9	20	1.2	FDG2KK506M104MB5
600	55	57.5	45	30	52.5	20.3	17.0	1100	3300	6.2	35	8.4	20	1.2	FDG2KK556M164MD5
600	60	57.5	45	30	52.5	20.3	18.5	1200	3600	6.0	35	7.3	20	1.2	FDG2KK606M164MD5
600	65	57.5	50	35	52.5	20.3	20.0	1300	3900	5.5	35	6.8	20	1.2	FDG2KK656M204MD5
600	70	57.5	50	35	52.5	20.3	21.5	1400	4200	5.0	35	6.5	20	1.2	FDG2KK706M204MD5
600	75	57.5	50	35	52.5	20.3	23.5	1500	4500	4.5	35	6.0	20	1.2	FDG2KK756M204MD5
600	80	57.5	50	35	52.5	20.3	24.5	1600	4800	4.2	35	5.9	20	1.2	FDG2KK806M204MD5
600	90	57.5	55	45	52.5	20.3	26.0	1800	5400	4.0	35	5.5	20	1.2	FDG2KK906M324MD5
600	100	57.5	55	45	52.5	20.3	29.0	2000	6000	3.4	35	5.2	20	1.2	FDG2KK107M324MD5
600	110	57.5	55	45	52.5	20.3	30.0	2200	6600	3.0	35	5.6	20	1.2	FDG2KK117M324MD5
600	120	57.5	65	45	52.5	20.3	32.0	2400	7200	2.8	35	5.2	20	1.2	FDG2KK127M344MD5
600	130	57.5	65	45	52.5	20.3	33.0	2600	7800	2.6	35	5.3	20	1.2	FDG2KK137M344MD5
600	140	57.5	65	45	52.5	20.3	34.0	2800	8400	2.5	35	5.2	20	1.2	FDG2KK147M344MD5
700	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDG2MK205G152GL5
700	3	32	20	11	27.5	\	4.0	195	585	28.0	25	33.5	65	0.8	FDG2MK305G182GL5
700	4	32	20	11	27.5	\	5.5	260	780	23.0	25	21.6	65	0.8	FDG2MK405G182GL5
700	5	32	22	13	27.5	\	7.0	325	975	14.5	25	21.1	65	0.8	FDG2MK505G212GL5
700	6	32	24.5	15	27.5	\	7.3	390	1170	13.0	25	21.7	65	0.8	FDG2MK605G272GL5
700	7	32	24.5	15	27.5	\	8.5	455	1365	12.0	25	17.3	65	0.8	FDG2MK705G272GL5
700	8	32	28	14	27.5	\	9.5	520	1560	11.0	25	15.1	65	0.8	FDG2MK805G262GL5
700	9	32	30	16	27.5	\	10.5	585	1755	10.5	25	13.0	65	0.8	FDG2MK905G322GL5
700	10	32	30	16	27.5	\	11.0	650	1950	10.0	25	12.4	65	0.8	FDG2MK106G322GL5
700	12	32	33	18	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDG2MK126G342GL5
700	15	32	37	22	27.5	\	12.0	975	2925	9.5	28	11.0	65	0.8	FDG2MK156G402GL5
700	15	32	37	22	27.5	10.2	14.5	975	2925	7.0	28	10.2	65	1.0	FDG2MK156G404GB5
700	18	32	37	22	27.5	\	12.5	1170	3510	9.0	28	10.7	65	0.8	FDG2MK186G402GL5
700	18	32	37	22	27.5	10.2	16.5	1170	3510	6.0	28	9.2	65	1.0	FDG2MK186G404GB5
700	10	42	30	17	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDG2MK106K662KL5
700	12	42	30	17	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDG2MK126K662KL5
700	15	42	32	19	37.5	\	9.5	525	1575	11.0	28	15.1	35	1.0	FDG2MK156K212KL5
700	20	42	40	20	37.5	10.2	12.5	700	2100	9.0	30	10.7	35	1.2	FDG2MK206K244KB5
700	22	42	40	20	37.5	10.2	13.5	770	2310	8.0	30	10.3	35	1.2	FDG2MK226K244KB5
700	25	42	40	20	37.5	10.2	15.5	875	2625	7.0	30	8.9	35	1.2	FDG2MK256K244KB5
700	30	42	44	24	37.5	10.2	16.5	1050	3150	6.5	30	8.5	35	1.2	FDG2MK306K324KB5
700	35	42	45	30	37.5	20.3	18.5	1225	3675	6.0	30	7.3	35	1.2	FDG2MK356K424KD5
700	40	42	45	30	37.5	20.3	20.5	1400	4200	5.0	30	7.1	35	1.2	FDG2MK406K424KD5
700	45	42	50	35	37.5	20.3	23.0	1575	4725	4.5	30	6.3	35	1.2	FDG2MK456K474KD5
700	50	42	50	35	37.5	20.3	25.0	1750	5250	4.0	30	6.0	35	1.2	FDG2MK506K474KD5
700	60	42	55	40	37.5	20.3	27.0	2100	6300	3.8	30	5.4	35	1.2	FDG2MK606K494KD5
700	70	42	55	40	37.5	20.3	29.0	2450	7350	3.5	30	5.1	35	1.2	FDG2MK706K494KD5

Rating and Part Number

Vdc	Cap Value µF	Dimensions W	H	T	P	P1	Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
700	75	42	60	45	37.5	20.3	30.0	2625	7875	3.0	30	5.6	35	1.2	FDG2MK756K524KD5
700	80	42	60	45	37.5	20.3	32.0	2800	8400	2.8	30	5.2	35	1.2	FDG2MK806K524KD5
700	85	42	60	45	37.5	20.3	34.0	2975	8925	2.5	30	5.2	35	1.2	FDG2MK856K524KD5
700	40	57.5	45	25	52.5	10.2	13.5	800	2400	8.0	35	10.3	20	1.2	FDG2MK406M104MB5
700	45	57.5	45	25	52.5	10.2	14.0	900	2700	7.5	35	10.2	20	1.2	FDG2MK456M104MB5
700	50	57.5	45	25	52.5	10.2	15.5	1000	3000	7.0	35	8.9	20	1.2	FDG2MK506M104MB5
700	55	57.5	45	30	52.5	20.3	17.0	1100	3300	6.2	35	8.4	20	1.2	FDG2MK556M164MD5
700	60	57.5	45	30	52.5	20.3	18.5	1200	3600	6.0	35	7.3	20	1.2	FDG2MK606M164MD5
700	65	57.5	50	35	52.5	20.3	20.0	1300	3900	5.5	35	6.8	20	1.2	FDG2MK656M204MD5
700	70	57.5	50	35	52.5	20.3	21.5	1400	4200	5.0	35	6.5	20	1.2	FDG2MK706M204MD5
700	75	57.5	50	35	52.5	20.3	23.5	1500	4500	4.5	35	6.0	20	1.2	FDG2MK756M204MD5
700	80	57.5	50	35	52.5	20.3	24.5	1600	4800	4.2	35	5.9	20	1.2	FDG2MK806M204MD5
700	90	57.5	55	45	52.5	20.3	26.0	1800	5400	4.0	35	5.5	20	1.2	FDG2MK906M324MD5
700	100	57.5	55	45	52.5	20.3	29.0	2000	6000	3.4	35	5.2	20	1.2	FDG2MK107M324MD5
700	110	57.5	55	45	52.5	20.3	30.0	2200	6600	3.0	35	5.6	20	1.2	FDG2MK117M324MD5
700	120	57.5	65	45	52.5	20.3	32.0	2400	7200	2.8	35	5.2	20	1.2	FDG2MK127M344MD5
700	130	57.5	65	45	52.5	20.3	33.0	2600	7800	2.6	35	5.3	20	1.2	FDG2MK137M344MD5
700	140	57.5	65	45	52.5	20.3	34.0	2800	8400	2.5	35	5.2	20	1.2	FDG2MK147M344MD5
800	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDG2NK205G152GL5
800	3	32	20	11	27.5	\	4.5	195	585	26.0	25	28.5	65	0.8	FDG2NK305G182GL5
800	4	32	24.5	13	27.5	\	5.8	260	780	22.0	25	20.3	65	0.8	FDG2NK405G222GL5
800	5	32	24.5	15	27.5	\	7.5	325	975	14.0	25	19.0	65	0.8	FDG2NK505G272GL5
800	6	32	30	16	27.5	\	8.5	390	1170	12.0	25	17.3	65	0.8	FDG2NK605G322GL5
800	7	32	30	16	27.5	\	9.5	455	1365	11.0	25	15.1	65	0.8	FDG2NK705G322GL5
800	8	32	33	18	27.5	\	10.5	520	1560	10.5	25	13.0	65	0.8	FDG2NK805G342GL5
800	9	32	33	18	27.5	\	11.5	585	1755	10.2	25	11.1	65	0.8	FDG2NK905G342GL5
800	10	32	37	22	27.5	\	12.0	650	1950	9.5	25	11.0	65	0.8	FDG2NK106G402GL5
800	10	32	37	22	27.5	10.2	14.0	650	1950	8.5	25	9.0	65	1.0	FDG2NK106G404GB5
800	12	32	37	22	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDG2NK126G402GL5
800	12	32	37	22	27.5	10.2	15.0	780	2340	8.0	25	8.3	65	1.0	FDG2NK126G404GB5
800	14	32	37	22	27.5	\	12.0	910	2730	9.5	25	11.0	65	0.8	FDG2NK146G402GL5
800	14	32	37	22	27.5	10.2	16.0	910	2730	7.5	25	7.8	65	1.0	FDG2NK146G404GB5
800	8	42	30	17	37.5	\	5.5	280	840	22.5	28	22.0	35	1.0	FDG2NK805K662KL5
800	9	42	30	17	37.5	\	6.0	315	945	21.5	28	19.4	35	1.0	FDG2NK905K662KL5
800	10	42	32	19	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDG2NK106K212KL5
800	12	42	32	19	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDG2NK126K212KL5
800	14	42	32	19	37.5	\	9.5	490	1470	11.0	28	15.1	35	1.0	FDG2NK146K212KL5
800	15	42	40	20	37.5	10.2	12.5	525	1575	9.0	30	10.7	35	1.2	FDG2NK156K244KB5
800	20	42	44	24	37.5	10.2	13.5	700	2100	8.0	30	10.3	35	1.2	FDG2NK206K324KB5
800	25	42	44	24	37.5	10.2	16.5	875	2625	6.5	30	8.5	35	1.2	FDG2NK256K324KB5
800	30	42	45	30	37.5	20.3	20.0	1050	3150	5.8	30	6.5	35	1.2	FDG2NK306K424KD5
800	35	42	50	35	37.5	20.3	22.0	1225	3675	5.5	30	5.6	35	1.2	FDG2NK356K474KD5
800	40	42	50	35	37.5	20.3	25.0	1400	4200	4.8	30	5.0	35	1.2	FDG2NK406K474KD5
800	45	42	55	40	37.5	20.3	28.0	1575	4725	4.0	30	4.8	35	1.2	FDG2NK456K494KD5
800	50	42	55	40	37.5	20.3	31.0	1750	5250	3.6	30	4.3	35	1.2	FDG2NK506K494KD5
800	55	42	60	45	37.5	20.3	32.5	1925	5775	3.4	30	4.2	35	1.2	FDG2NK556K524KD5
800	60	42	60	45	37.5	20.3	34.0	2100	6300	3.2	30	4.1	35	1.2	FDG2NK606K524KD5
800	65	42	60	45	37.5	20.3	35.0	2275	6825	2.8	30	4.4	35	1.2	FDG2NK656K524KD5
800	25	57.5	45	25	52.5	10.2	8.5	500	1500	12.0	35	17.3	20	1.2	FDG2NK256M104MB5
800	30	57.5	45	25	52.5	10.2	10.0	600	1800	10.5	35	14.3	20	1.2	FDG2NK306M104MB5
800	35	57.5	45	25	52.5	10.2	12.0	700	2100	9.5	35	11.0	20	1.2	FDG2NK356M104MB5
800	40	57.5	45	30	52.5	20.3	14.0	800	2400	8.5	35	9.0	20	1.2	FDG2NK406M164MD5
800	45	57.5	45	30	52.5	20.3	15.5	900	2700	7.0	35	8.9	20	1.2	FDG2NK456M164MD5
800	50	57.5	50	35	52.5	20.3	17.0	1000	3000	5.8	35	8.9	20	1.2	FDG2NK506M204MD5
800	55	57.5	50	35	52.5	20.3	19.0	1100	3300	5.5	35	7.6	20	1.2	FDG2NK556M204MD5
800	60	57.5	50	35	52.5	20.3	21.0	1200	3600	4.8	35	7.1	20	1.2	FDG2NK606M204MD5

Rating and Part Number

Vdc	Cap Value µF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
800	65	57.5	55	45	52.5	20.3	22.5	1300	3900	4.6	35	6.4	20	1.2	FDG2NK656M324MD5
800	70	57.5	55	45	52.5	20.3	24.0	1400	4200	4.5	35	5.8	20	1.2	FDG2NK706M324MD5
800	75	57.5	55	45	52.5	20.3	25.5	1500	4500	4.3	35	5.4	20	1.2	FDG2NK756M324MD5
800	80	57.5	55	45	52.5	20.3	26.0	1600	4800	4.2	35	5.3	20	1.2	FDG2NK806M324MD5
800	90	57.5	55	45	52.5	20.3	27.5	1800	5400	4.0	35	5.0	20	1.2	FDG2NK906M324MD5
800	100	57.5	65	45	52.5	20.3	31.5	2000	6000	3.2	35	4.7	20	1.2	FDG2NK107M344MD5
800	110	57.5	65	45	52.5	20.3	34.0	2200	6600	3.0	35	4.3	20	1.2	FDG2NK117M344MD5
900	1	32	18	9	27.5	\	2.0	70	210	65.0	25	57.7	70	0.8	FDG2QK105G152GL5
900	2	32	20	11	27.5	\	3.2	140	420	38.0	25	38.5	70	0.8	FDG2QK205G182GL5
900	3	32	22	13	27.5	\	4.8	210	630	30.0	25	21.7	70	0.8	FDG2QK305G212GL5
900	4	32	24.5	15	27.5	\	6.0	280	840	20.5	25	20.3	70	0.8	FDG2QK405G272GL5
900	5	32	30	16	27.5	\	7.5	350	1050	12.0	25	22.2	70	0.8	FDG2QK505G322GL5
900	6	32	33	18	27.5	\	7.8	420	1260	11.5	25	21.4	70	0.8	FDG2QK605G342GL5
900	7	32	33	18	27.5	\	10.5	490	1470	10.2	25	13.3	70	0.8	FDG2QK705G342GL5
900	8	32	37	22	27.5	\	11.5	560	1680	9.5	25	11.9	70	0.8	FDG2QK805G402GL5
900	8	32	37	22	27.5	10.2	12.5	560	1680	9.0	25	10.7	70	1.0	FDG2QK805G404GB5
900	9	32	37	22	27.5	\	11.8	630	1890	9.7	25	11.1	70	0.8	FDG2QK905G402GL5
900	9	32	37	22	27.5	10.2	14.0	630	1890	7.8	25	9.8	70	1.0	FDG2QK905G404GB5
900	10	32	37	22	27.5	\	12.0	700	2100	9.5	25	11.0	70	0.8	FDG2QK106G402GL5
900	10	32	37	22	27.5	10.2	15.5	700	2100	7.2	25	8.7	70	1.0	FDG2QK106G404GB5
900	5	42	30	17	37.5	\	3.8	175	525	28.0	28	37.1	35	1.0	FDG2QK505K662KL5
900	6	42	30	17	37.5	\	4.5	210	630	25.0	28	29.6	35	1.0	FDG2QK605K662KL5
900	7	42	30	17	37.5	\	5.0	245	735	22.0	28	27.3	35	1.0	FDG2QK705K662KL5
900	8	42	32	19	37.5	\	6.0	280	840	19.5	28	21.4	35	1.0	FDG2QK805K212KL5
900	10	42	40	20	37.5	10.2	7.5	350	1050	13.0	30	20.5	35	1.2	FDG2QK106K244KB5
900	12	42	37	22	37.5	10.2	9.0	420	1260	11.5	30	16.1	35	1.2	FDG2QK126K274KB5
900	15	42	44	24	37.5	10.2	10.5	525	1575	10.5	30	13.0	35	1.2	FDG2QK156K324KB5
900	18	42	44	24	37.5	10.2	13.0	630	1890	8.8	30	10.1	35	1.2	FDG2QK186K324KB5
900	20	42	44	24	37.5	10.2	14.5	700	2100	7.5	30	9.5	35	1.2	FDG2QK206K324KB5
900	25	42	45	30	37.5	20.3	17.5	875	2625	6.2	30	7.9	35	1.2	FDG2QK256K424KD5
900	30	42	50	35	37.5	20.3	21.5	1050	3150	5.0	30	6.5	35	1.2	FDG2QK306K474KD5
900	35	42	55	40	37.5	20.3	23.0	1225	3675	4.6	30	6.2	35	1.2	FDG2QK356K494KD5
900	40	42	55	40	37.5	20.3	26.5	1400	4200	3.9	30	5.5	35	1.2	FDG2QK406K494KD5
900	45	42	60	45	37.5	20.3	30.0	1575	4725	3.4	30	4.9	35	1.2	FDG2QK456K524KD5
900	50	42	60	45	37.5	20.3	33.5	1750	5250	3.0	30	4.5	35	1.2	FDG2QK506K524KD5
900	15	57.5	45	25	52.5	10.2	5.5	300	900	22.0	35	22.5	20	1.2	FDG2QK156M104MB5
900	20	57.5	45	25	52.5	10.2	7.5	400	1200	13.5	35	19.8	20	1.2	FDG2QK206M104MB5
900	25	57.5	45	25	52.5	10.2	9.0	500	1500	11.5	35	16.1	20	1.2	FDG2QK256M104MB5
900	30	57.5	45	30	52.5	20.3	11.0	600	1800	10.0	35	12.4	20	1.2	FDG2QK306M164MD5
900	35	57.5	45	30	52.5	20.3	12.5	700	2100	9.0	35	10.7	20	1.2	FDG2QK356M164MD5
900	40	57.5	50	35	52.5	20.3	14.5	800	2400	7.5	35	9.5	20	1.2	FDG2QK406M204MD5
900	45	57.5	50	35	52.5	20.3	16.0	900	2700	6.8	35	8.6	20	1.2	FDG2QK456M204MD5
900	50	57.5	50	35	52.5	20.3	18.0	1000	3000	6.4	35	7.2	20	1.2	FDG2QK506M204MD5
900	55	57.5	55	45	52.5	20.3	20.0	1100	3300	5.6	35	6.7	20	1.2	FDG2QK556M324MD5
900	60	57.5	55	45	52.5	20.3	21.5	1200	3600	4.8	35	6.8	20	1.2	FDG2QK606M324MD5
900	65	57.5	55	45	52.5	20.3	23.0	1300	3900	4.5	35	6.3	20	1.2	FDG2QK656M324MD5
900	70	57.5	65	45	52.5	20.3	25.0	1400	4200	4.0	35	6.0	20	1.2	FDG2QK706M344MD5
900	75	57.5	65	45	52.5	20.3	25.5	1500	4500	3.9	35	5.9	20	1.2	FDG2QK756M344MD5
900	80	57.5	65	45	52.5	20.3	26.5	1600	4800	3.8	35	5.6	20	1.2	FDG2QK806M344MD5
900	85	57.5	65	45	52.5	20.3	28.5	1700	5100	3.6	35	5.1	20	1.2	FDG2QK856M344MD5
1000	1	32	18	9	27.5	\	2.0	75	225	65.0	25	57.7	75	0.8	FDG3KK105G152GL5
1000	2	32	22	13	27.5	\	3.5	150	450	38.0	25	32.2	75	0.8	FDG3KK205G212GL5
1000	3	32	24.5	15	27.5	\	5.0	225	675	22.0	25	27.3	75	0.8	FDG3KK305G272GL5
1000	4	32	30	16	27.5	\	7.0	300	900	16.5	25	18.6	75	0.8	FDG3KK405G322GL5
1000	5	32	33	18	27.5	\	8.5	375	1125	12.5	25	16.6	75	0.8	FDG3KK505G342GL5
1000	6	32	33	18	27.5	\	9.0	450	1350	11.5	25	16.1	75	0.8	FDG3KK605G342GL5

Rating and Part Number

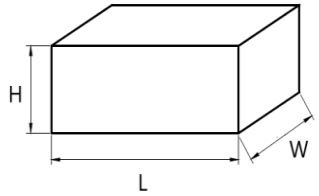
Vdc	Cap Value µF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
1000	7	32	37	22	27.5	\	9.5	525	1575	11.0	25	15.1	75	0.8	FDG3KK705G402GL5
1000	7	32	37	22	27.5	10.2	11.5	525	1575	9.8	25	11.6	75	1.0	FDG3KK705G404GB5
1000	8	32	37	22	27.5	\	10.5	600	1800	10.5	25	13.0	75	0.8	FDG3KK805G402GL5
1000	8	32	37	22	27.5	10.2	13.0	600	1800	8.8	25	10.1	75	1.0	FDG3KK805G404GB5
1000	5	42	30	17	37.5	\	3.8	175	525	28.0	28	37.1	35	1.0	FDG3KK505K662KL5
1000	6	42	30	17	37.5	\	4.5	210	630	25.0	28	29.6	35	1.0	FDG3KK605K662KL5
1000	7	42	30	17	37.5	\	5.0	245	735	22.0	28	27.3	35	1.0	FDG3KK705K662KL5
1000	8	42	32	19	37.5	\	6.0	280	840	19.5	28	21.4	35	1.0	FDG3KK805K212KL5
1000	10	42	40	20	37.5	10.2	7.5	350	1050	13.0	30	20.5	35	1.2	FDG3KK106K244KB5
1000	12	42	37	22	37.5	10.2	9.0	420	1260	11.5	30	16.1	35	1.2	FDG3KK126K274KB5
1000	15	42	44	24	37.5	10.2	11.5	525	1575	10.0	30	11.3	35	1.2	FDG3KK156K324KB5
1000	18	42	45	30	37.5	20.3	14.0	630	1890	7.8	30	9.8	35	1.2	FDG3KK186K424KD5
1000	20	42	45	30	37.5	20.3	15.5	700	2100	7.0	30	8.9	35	1.2	FDG3KK206K424KD5
1000	25	42	50	35	37.5	20.3	19.5	875	2625	5.5	30	7.2	35	1.2	FDG3KK256K474KD5
1000	30	42	55	40	37.5	20.3	23.0	1050	3150	4.6	30	6.2	35	1.2	FDG3KK306K494KD5
1000	35	42	55	40	37.5	20.3	25.0	1225	3675	4.0	30	6.0	35	1.2	FDG3KK356K494KD5
1000	40	42	60	45	37.5	20.3	28.5	1400	4200	3.6	30	5.1	35	1.2	FDG3KK406K524KD5
1000	15	57.5	45	25	52.5	10.2	5.8	300	900	19.8	35	22.5	20	1.2	FDG3KK156M104MB5
1000	20	57.5	45	25	52.5	10.2	7.5	400	1200	13.5	35	19.8	20	1.2	FDG3KK206M104MB5
1000	25	57.5	45	25	52.5	10.2	9.5	500	1500	11.0	35	15.1	20	1.2	FDG3KK256M104MB5
1000	30	57.5	45	30	52.5	20.3	11.5	600	1800	9.8	35	11.6	20	1.2	FDG3KK306M164MD5
1000	35	57.5	45	30	52.5	20.3	13.5	700	2100	8.0	35	10.3	20	1.2	FDG3KK356M164MD5
1000	40	57.5	50	35	52.5	20.3	15.5	800	2400	7.0	35	8.9	20	1.2	FDG3KK406M204MD5
1000	45	57.5	55	45	52.5	20.3	17.5	900	2700	6.2	35	7.9	20	1.2	FDG3KK456M324MD5
1000	50	57.5	55	45	52.5	20.3	19.5	1000	3000	5.8	35	6.8	20	1.2	FDG3KK506M324MD5
1000	55	57.5	55	45	52.5	20.3	21.0	1100	3300	5.0	35	6.8	20	1.2	FDG3KK556M324MD5
1000	60	57.5	65	45	52.5	20.3	23.0	1200	3600	4.6	35	6.2	20	1.2	FDG3KK606M344MD5
1000	65	57.5	65	45	52.5	20.3	25.0	1300	3900	4.2	35	5.7	20	1.2	FDG3KK656M344MD5
1000	70	57.5	65	45	52.5	20.3	27.0	1400	4200	3.8	35	5.4	20	1.2	FDG3KK706M344MD5
1100	1	32	20	11	27.5	\	2.2	80	240	65.0	25	47.7	80	0.8	FDG3MK105G182GL5
1100	1.5	32	22	13	27.5	\	2.5	120	360	46.0	25	52.2	80	0.8	FDG3MK155G212GL5
1100	2	32	24.5	13	27.5	\	4.8	160	480	24.5	25	26.6	80	0.8	FDG3MK205G222GL5
1100	3	32	30	16	27.5	\	6.5	240	720	18.5	25	19.2	80	0.8	FDG3MK305G322GL5
1100	4	32	33	18	27.5	\	8.5	320	960	12.5	25	16.6	80	0.8	FDG3MK405G342GL5
1100	5	32	37	22	27.5	\	9.8	400	1200	10.8	25	14.5	80	0.8	FDG3MK505G402GL5
1100	5	32	37	22	27.5	10.2	10.5	400	1200	10.5	25	13.0	80	1.0	FDG3MK505G404GB5
1100	6	32	37	22	27.5	\	10.5	480	1440	10.5	25	13.0	80	0.8	FDG3MK605G402GL5
1100	6	32	37	22	27.5	10.2	13.0	480	1440	8.8	25	10.1	80	1.0	FDG3MK605G404GB5
1100	3	42	30	17	37.5	\	2.5	120	360	46.0	28	52.2	40	1.0	FDG3MK305K662KL5
1100	4	42	30	17	37.5	\	3.5	160	480	32.5	28	37.7	40	1.0	FDG3MK405K662KL5
1100	4.7	42	32	19	37.5	\	4.0	188	564	28.0	28	33.5	40	1.0	FDG3MK475K212KL5
1100	5	42	32	19	37.5	\	4.2	200	600	26.0	28	32.7	40	1.0	FDG3MK505K212KL5
1100	6	42	32	19	37.5	\	5.0	240	720	23.5	28	25.5	40	1.0	FDG3MK605K212KL5
1100	7	42	40	20	37.5	10.2	6.0	280	840	18.5	30	22.5	40	1.2	FDG3MK705K244KB5
1100	8	42	37	22	37.5	10.2	6.5	320	960	16.5	30	21.5	40	1.2	FDG3MK805K274KB5
1100	9	42	37	22	37.5	10.2	7.5	360	1080	13.0	30	20.5	40	1.2	FDG3MK905K274KB5
1100	10	42	44	24	37.5	10.2	8.5	400	1200	12.0	30	17.3	40	1.2	FDG3MK106K324KB5
1100	12	42	44	24	37.5	10.2	10.0	480	1440	10.8	30	13.9	40	1.2	FDG3MK126K324KB5
1100	14	42	45	30	37.5	20.3	12.0	560	1680	9.5	30	11.0	40	1.2	FDG3MK146K424KD5
1100	15	42	45	30	37.5	20.3	13.0	600	1800	8.5	30	10.4	40	1.2	FDG3MK156K424KD5
1100	18	42	50	35	37.5	20.3	15.0	720	2160	7.0	30	9.5	40	1.2	FDG3MK186K474KD5
1100	20	42	50	35	37.5	20.3	16.5	800	2400	6.5	30	8.5	40	1.2	FDG3MK206K474KD5
1100	25	42	55	40	37.5	20.3	20.5	1000	3000	5.0	30	7.1	40	1.2	FDG3MK256K494KD5
1100	30	42	60	45	37.5	20.3	24.5	1200	3600	4.3	30	5.8	40	1.2	FDG3MK306K524KD5
1100	15	57.5	45	25	52.5	10.2	6.5	300	900	16.5	35	21.5	20	1.2	FDG3MK156M104MB5
1100	20	57.5	45	30	52.5	20.3	9.0	400	1200	11.5	35	16.1	20	1.2	FDG3MK206M164MD5

Rating and Part Number

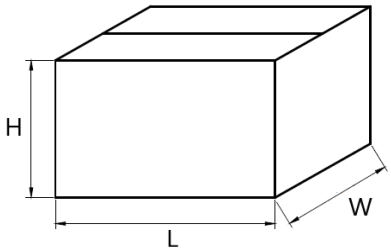
Vdc	Cap Value µF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
1100	25	57.5	50	35	52.5	20.3	11.0	500	1500	10.0	35	12.4	20	1.2	FDG3MK256M204MD5
1100	30	57.5	50	35	52.5	20.3	13.0	600	1800	8.6	35	10.3	20	1.2	FDG3MK306M204MD5
1100	35	57.5	55	45	52.5	20.3	14.5	700	2100	7.5	35	9.5	20	1.2	FDG3MK356M324MD5
1100	40	57.5	55	45	52.5	20.3	16.0	800	2400	6.8	35	8.6	20	1.2	FDG3MK406M324MD5
1100	45	57.5	55	45	52.5	20.3	17.5	900	2700	6.2	35	7.9	20	1.2	FDG3MK456M324MD5
1100	50	57.5	65	45	52.5	20.3	19.5	1000	3000	5.6	35	7.0	20	1.2	FDG3MK506M344MD5
1100	55	57.5	65	45	52.5	20.3	21.5	1100	3300	4.8	35	6.8	20	1.2	FDG3MK556M344MD5
1200	1	32	20	11	27.5	\	3.5	90	270	35.0	25	35.0	90	0.8	FDG3BK105G182GL5
1200	2	32	24.5	15	27.5	\	5.0	180	540	24.0	25	25.0	90	0.8	FDG3BK205G272GL5
1200	3	32	30	16	27.5	\	7.5	270	810	13.0	25	20.5	90	0.8	FDG3BK305G322GL5
1200	4	32	33	18	27.5	\	9.5	360	1080	11.0	25	15.1	90	0.8	FDG3BK405G342GL5
1200	5	32	37	22	27.5	\	10.5	450	1350	10.5	25	13.0	90	0.8	FDG3BK505G402GL5
1200	5	32	37	22	27.5	10.2	12.0	450	1350	9.5	25	11.0	90	1.0	FDG3BK505G404GB5
1200	3	42	30	17	37.5	\	3.2	135	405	35.0	28	41.9	45	1.0	FDG3BK305K662KL5
1200	4	42	30	17	37.5	\	4.2	180	540	28.0	28	30.4	45	1.0	FDG3BK405K662KL5
1200	5	42	32	19	37.5	\	5.5	225	675	21.5	28	23.1	45	1.0	FDG3BK505K212KL5
1200	6	42	40	20	37.5	10.2	6.5	270	810	16.5	30	21.5	45	1.2	FDG3BK605K244KB5
1200	7	42	37	22	37.5	10.2	7.5	315	945	13.0	30	20.5	45	1.2	FDG3BK705K274KB5
1200	8	42	44	24	37.5	10.2	8.5	360	1080	12.0	30	17.3	45	1.2	FDG3BK805K324KB5
1200	9	42	44	24	37.5	10.2	10.0	405	1215	10.8	30	13.9	45	1.2	FDG3BK905K324KB5
1200	10	42	44	24	37.5	10.2	11.0	450	1350	10.0	30	12.4	45	1.2	FDG3BK106K324KB5
1200	12	42	45	30	37.5	20.3	13.0	540	1620	8.5	30	10.4	45	1.2	FDG3BK126K424KD5
1200	15	42	50	35	37.5	20.3	16.0	675	2025	6.8	30	8.6	45	1.2	FDG3BK156K474KD5
1200	18	42	50	35	37.5	20.3	18.0	810	2430	6.2	30	7.5	45	1.2	FDG3BK186K474KD5
1200	20	42	55	40	37.5	20.3	20.0	900	2700	5.5	30	6.8	45	1.2	FDG3BK206K494KD5
1200	25	42	60	45	37.5	20.3	25.0	1125	3375	4.3	30	5.6	45	1.2	FDG3BK256K524KD5
1200	12	57.5	45	25	52.5	10.2	6.5	300	900	16.5	35	21.5	25	1.2	FDG3BK126M104MB5
1200	15	57.5	45	25	52.5	10.2	7.5	375	1125	13.0	35	20.5	25	1.2	FDG3BK156M104MB5
1200	20	57.5	45	30	52.5	20.3	11.0	500	1500	10.0	35	12.4	25	1.2	FDG3BK206M164MD5
1200	25	57.5	50	35	52.5	20.3	13.0	625	1875	8.6	35	10.3	25	1.2	FDG3BK256M204MD5
1200	30	57.5	55	45	52.5	20.3	14.5	750	2250	7.5	35	9.5	25	1.2	FDG3BK306M324MD5
1200	35	57.5	55	45	52.5	20.3	16.0	875	2625	6.8	35	8.6	25	1.2	FDG3BK356M324MD5
1200	40	57.5	65	45	52.5	20.3	20.0	1000	3000	5.5	35	6.8	25	1.2	FDG3BK406M344MD5
1200	45	57.5	65	45	52.5	20.3	22.5	1125	3375	4.8	35	6.2	25	1.2	FDG3BK456M344MD5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity	
		W	H	T	Long Leads	Short Leads
27.5	G15	32	18	9	340	340
	G18	32	20	11	280	280
	G21	32	22	13	230	230
	G22	32	24.5	13	230	230
	G26	32	28	14	220	220
	G27	32	24.5	15	200	200
	G32	32	30	16	190	190
	G34	32	33	18	170	170
	G40	32	37	22	140	140
37.5	K21	42	32	19	112	112
	K24	42	40	20	105	105
	K27	42	37	22	98	98
	K32	42	44	24	91	91
	K37	42	37	28	77	77
	K39	42	43	28	77	77
	K42	42	45	30	70	70
	K47	42	50	35	63	63
	K49	42	55	40	49	49
	K52	42	60	45	49	49
	K66	42	30	17	126	126
52.5	M10	57.5	45	25	60	60
	M16	57.5	45	30	50	50
	M20	57.5	50	35	45	45
	M23	57.5	65	35	45	45
	M32	57.5	55	45	35	35
	M34	57.5	65	45	35	35

Overview

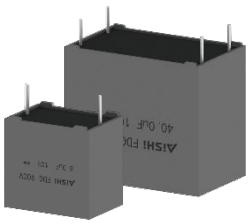
The FDQ capacitor is constructed of metallized polypropylene film encapsulated with epoxy resin in a plastic box, with 2 or 4 tinned copper wire. These FDQ series is suitable for harsh environment and qualify in accordance to AEC-Q200D requirement.

Applications

Widely used in high performance DC Link, DC filtering, frequency converter, industrial power supply, solar inverter, energy storage, OBC and automotive.

Features

- Self-healing
- High capacitance density
- Operating temperature range: - 40°C to 105°C
- High ripple current and low loss
- High contact reliability
- Suitable for high frequency applications
- Suitable for harsh environmental conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{NDC})
- Automotive Grade (AEC-Q200D)



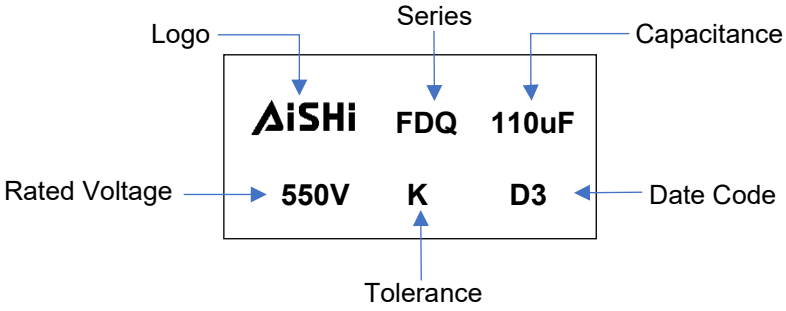
Qualification

Reference Standard	IEC 61071, EN 61071, AEC-Q200D
Climate Category	40/105/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	450Vdc to 1200Vdc
Capacitance Range	1.0μF to 200μF
Capacitance Tolerance	±10% or ±20% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤0.002 (0.2%) at 1KHz; C ≤20μF at 25°C ≤0.003 (0.3%) at 1KHz; C >20μF at 25°C ≤0.004 (0.4%) at 1KHz; C >80μF at 25°C
Insulation Resistance	RC between leads, IR xC≥30,000 s at 100vdc 1minute at +25°C

Marking



Part Number System

F	DQ	2J	J	117	M20	4MD	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	DC Link, AEC-Q200 Type, Metallized PP Film	450=2W 500=2H 550=2J 600=2K 700=2M 800=2N 900=2Q 1000=3K 1100=3M 1200=3B	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

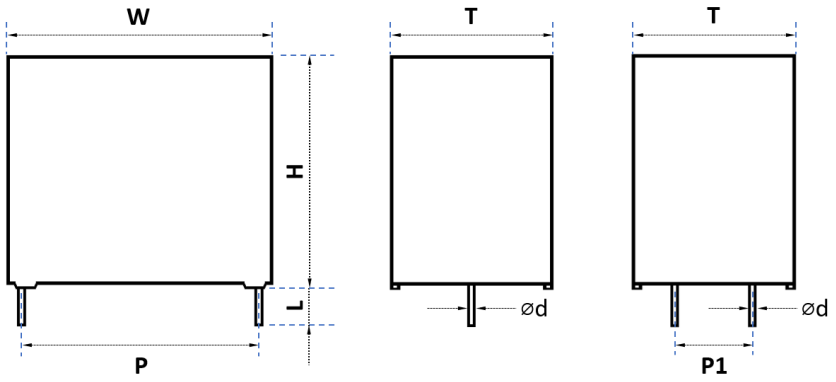
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	27.5mm	G	10.2mm	B
2 leads for straight cut	2	37.5mm	K	12.7mm	G
2 leads for forming cut	E	52.5mm	M	20.3mm	D
4 leads for straight cut	4	N/A	N	N/A	L
6 leads for straight cut	6				

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins 4 pins

Size Code Table (mm)

Size Code	Dimension						Pitch				Ød		
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	P1	Tolerance	4 Leads	2 Leads	Tolerance
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	\	\	\	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	\	\	\	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	\	\	\	0.8	0.05
G32	32	0.8	30	0.8	16	0.8	27.5	0.5	\	\	\	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	10.2	0.5	1.0	0.8	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	\	\	\	1.0	0.05
K24	42	1.0	40	1.0	20	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K27	42	1.0	37	1.0	22	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K37	42	1.0	37	1.0	28	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K39	42	1.0	43	1.0	28	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K47	42	1.0	50	1.0	35	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K49	42	1.0	55	1.0	40	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K52	42	1.0	60	1.0	45	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K66	42	1.0	30	1.0	17	1.0	37.5	0.5	\	\	\	1.0	0.05
M10	57.5	1.0	45	1.0	25	1.0	52.5	0.5	10.2	0.5	1.2	1.2	0.05
M16	57.5	1.0	45	1.0	30	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M20	57.5	1.0	50	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M23	57.5	1.0	65	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M32	57.5	1.0	55	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M34	57.5	1.0	65	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05

Rating and Part Number

Vdc	Cap Value μF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
450	5	32	20	11	27.5	\	5.0	325	975	20.0	25	30.0	65	0.8	FDQ2WK505G182GL5
450	10	32	24.5	15	27.5	\	7.0	650	1950	11.0	25	27.8	65	0.8	FDQ2WK106G272GL5
450	15	32	33	18	27.5	\	11.0	975	2925	7.0	25	17.7	65	0.8	FDQ2WK156G342GL5
450	22	32	37	22	27.5	\	11.0	1430	4290	5.0	28	24.8	65	0.8	FDQ2WK226G402GL5
450	25	32	37	22	27.5	\	12.0	1625	4875	4.8	28	24.8	65	0.8	FDQ2WK256G402GL5
450	30	42	40	20	37.5	10.2	12.5	1050	3150	7.5	30	12.8	35	1.2	FDQ2WK306K244KB5
450	35	42	37	22	37.5	10.2	13.5	1225	3675	7.0	30	11.8	35	1.2	FDQ2WK406K274KB5
450	40	42	37	28	37.5	10.2	14.5	1400	4200	6.2	30	11.5	35	1.2	FDQ2WK406K374KB5
450	50	42	43	28	37.5	10.2	16.0	1750	5250	5.0	30	11.7	35	1.2	FDQ2WK506K394KB5
450	50	42	45	30	37.5	20.3	16.0	1750	5250	5.0	30	11.7	35	1.2	FDQ2WK506K424KD5
450	60	42	45	30	37.5	20.3	16.5	2100	6300	4.5	30	12.2	35	1.2	FDQ2WK606K424KD5
450	80	42	50	35	37.5	20.3	20.5	2800	8400	3.8	30	12.2	35	1.2	FDQ2WK806K474KD5
450	110	42	60	45	37.5	20.3	24.5	3850	11550	3.6	30	12.2	35	1.2	FDQ2WK117K524KD5
450	130	42	60	45	37.5	20.3	28.5	4550	13650	3.0	30	12.2	35	1.2	FDQ2WK137K524KD5
450	75	57.5	45	30	52.5	20.3	16.5	1500	4500	5.5	35	10.0	20	1.2	FDQ2WK756M164MD5
450	80	57.5	45	30	52.5	20.3	17.0	1600	4800	5.0	35	10.4	20	1.2	FDQ2WK806M164MD5
450	100	57.5	50	35	52.5	20.3	18.0	2000	6000	4.5	35	10.3	20	1.2	FDQ2WK107M204MD5
450	110	57.5	50	35	52.5	20.3	19.0	2200	6600	4.0	35	10.4	20	1.2	FDQ2WK117M204MD5
450	120	57.5	50	35	52.5	20.3	21.5	2400	7200	3.8	35	10.4	20	1.2	FDQ2WK127M204MD5
450	160	57.5	55	45	52.5	20.3	28.5	3200	9600	3.0	35	10.4	20	1.2	FDQ2WK167M324MD5
450	200	57.5	65	45	52.5	20.3	33.0	4000	12000	2.6	35	10.4	20	1.2	FDQ2WK207M344MD5
550	5	32	22	13	27.5	\	5.5	325	975	19.5	25	25.4	65	0.8	FDQ2JK505G212GL5
550	10	32	33	18	27.5	\	7.5	650	1950	10.5	25	25.4	65	0.8	FDQ2JK106G342GL5
550	15	32	37	22	27.5	\	11.5	975	2925	6.8	28	16.7	65	0.8	FDQ2JK156G402GL5
550	22	32	37	22	27.5	\	11.5	1430	4290	4.9	28	23.1	65	0.8	FDQ2JK226G402GL5
550	30	42	44	24	37.5	10.2	13.0	1050	3150	7.2	30	12.3	35	1.2	FDQ2JK306K324KB5
550	35	42	45	30	37.5	20.3	13.8	1225	3675	6.8	30	11.6	35	1.2	FDQ2JK356K424KD5
550	40	42	45	30	37.5	20.3	14.8	1400	4200	6.0	30	11.4	35	1.2	FDQ2JK406K424KD5
550	50	42	50	35	37.5	20.3	17.0	1750	5250	4.8	30	10.8	35	1.2	FDQ2JK506K474KD5
550	60	42	50	35	37.5	20.3	18.0	2100	6300	4.2	30	11.0	35	1.2	FDQ2JK606K474KD5
550	70	42	50	35	37.5	20.3	20.5	2450	7350	3.8	30	11.0	35	1.2	FDQ2JK706K474KD5
550	110	42	60	45	37.5	20.3	24.5	3850	11550	3.6	30	11.0	35	1.2	FDQ2JK117K524KD5
550	75	57.5	45	30	52.5	20.3	16.8	1500	4500	5.2	35	10.2	20	1.2	FDQ2JK756M164MD5
550	100	57.5	50	35	52.5	20.3	18.5	2000	6000	4.3	35	10.2	20	1.2	FDQ2JK107M204MD5
550	110	57.5	50	35	52.5	20.3	20.0	2200	6600	4.0	35	9.4	20	1.2	FDQ2JK117M204MD5
550	140	57.5	55	45	52.5	20.3	26.0	2800	8400	3.5	35	6.3	20	1.2	FDQ2JK147M324MD5
550	170	57.5	65	45	52.5	20.3	32.0	3400	10200	2.8	35	5.2	20	1.2	FDQ2JK177M344MD5
550	180	57.5	65	45	52.5	20.3	33.0	3600	10800	2.6	35	5.2	20	1.2	FDQ2JK187M344MD5
600	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDQ2KK205G152GL5
600	3	32	20	11	27.5	\	4.0	195	585	28.0	25	33.5	65	0.8	FDQ2KK305G182GL5
600	4	32	20	11	27.5	\	5.5	260	780	23.0	25	21.6	65	0.8	FDQ2KK405G182GL5
600	5	32	22	13	27.5	\	7.0	325	975	14.5	25	21.1	65	0.8	FDQ2KK505G212GL5
600	6	32	24.5	15	27.5	\	7.3	390	1170	13.0	25	21.7	65	0.8	FDQ2KK605G272GL5
600	7	32	24.5	15	27.5	\	8.5	455	1365	12.0	25	17.3	65	0.8	FDQ2KK705G272GL5
600	8	32	28	14	27.5	\	9.5	520	1560	11.0	25	15.1	65	0.8	FDQ2KK805G262GL5
600	9	32	30	16	27.5	\	10.5	585	1755	10.5	25	13.0	65	0.8	FDQ2KK905G322GL5
600	10	32	30	16	27.5	\	11.0	650	1950	10.0	25	12.4	65	0.8	FDQ2KK106G322GL5
600	12	32	33	18	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDQ2KK126G342GL5
600	15	32	37	22	27.5	\	12.0	975	2925	9.5	28	11.0	65	0.8	FDQ2KK156G402GL5
600	15	32	37	22	27.5	10.2	14.5	975	2925	7.0	28	10.2	65	1.0	FDQ2KK156G404GB5
600	18	32	37	22	27.5	\	12.5	1170	3510	9.0	28	10.7	65	0.8	FDQ2KK186G402GL5
600	18	32	37	22	27.5	10.2	16.5	1170	3510	6.0	28	9.2	65	1.0	FDQ2KK186G404GB5
600	10	42	30	17	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDQ2KK106K662KL5
600	12	42	30	17	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDQ2KK126K662KL5
600	15	42	32	19	37.5	\	9.5	525	1575	11.0	28	15.1	35	1.0	FDQ2KK156K212KL5
600	20	42	40	20	37.5	10.2	12.5	700	2100	9.0	30	10.7	35	1.2	FDQ2KK206K244KB5

Rating and Part Number

Vdc	Cap Value μF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
600	22	42	40	20	37.5	10.2	13.5	770	2310	8.0	30	10.3	35	1.2	FDQ2KK226K244KB5
600	25	42	40	20	37.5	10.2	15.5	875	2625	7.0	30	8.9	35	1.2	FDQ2KK256K244KB5
600	30	42	44	24	37.5	10.2	16.5	1050	3150	6.5	30	8.5	35	1.2	FDQ2KK306K324KB5
600	35	42	45	30	37.5	20.3	18.5	1225	3675	6.0	30	7.3	35	1.2	FDQ2KK356K424KD5
600	40	42	45	30	37.5	20.3	20.5	1400	4200	5.0	30	7.1	35	1.2	FDQ2KK406K424KD5
600	45	42	50	35	37.5	20.3	23.0	1575	4725	4.5	30	6.3	35	1.2	FDQ2KK456K474KD5
600	50	42	50	35	37.5	20.3	25.0	1750	5250	4.0	30	6.0	35	1.2	FDQ2KK506K474KD5
600	60	42	55	40	37.5	20.3	27.0	2100	6300	3.8	30	5.4	35	1.2	FDQ2KK606K494KD5
600	70	42	55	40	37.5	20.3	29.0	2450	7350	3.5	30	5.1	35	1.2	FDQ2KK706K494KD5
600	75	42	60	45	37.5	20.3	30.0	2625	7875	3.0	30	5.6	35	1.2	FDQ2KK756K524KD5
600	80	42	60	45	37.5	20.3	32.0	2800	8400	2.8	30	5.2	35	1.2	FDQ2KK806K524KD5
600	85	42	60	45	37.5	20.3	34.0	2975	8925	2.5	30	5.2	35	1.2	FDQ2KK856K524KD5
600	40	57.5	45	25	52.5	10.2	13.5	800	2400	8.0	35	10.3	20	1.2	FDQ2KK406M104MB5
600	45	57.5	45	25	52.5	10.2	14.0	900	2700	7.5	35	10.2	20	1.2	FDQ2KK456M104MB5
600	50	57.5	45	25	52.5	10.2	15.5	1000	3000	7.0	35	8.9	20	1.2	FDQ2KK506M104MB5
600	55	57.5	45	30	52.5	20.3	17.0	1100	3300	6.2	35	8.4	20	1.2	FDQ2KK556M164MD5
600	60	57.5	45	30	52.5	20.3	18.5	1200	3600	6.0	35	7.3	20	1.2	FDQ2KK606M164MD5
600	65	57.5	50	35	52.5	20.3	20.0	1300	3900	5.5	35	6.8	20	1.2	FDQ2KK656M204MD5
600	70	57.5	50	35	52.5	20.3	21.5	1400	4200	5.0	35	6.5	20	1.2	FDQ2KK706M204MD5
600	75	57.5	50	35	52.5	20.3	23.5	1500	4500	4.5	35	6.0	20	1.2	FDQ2KK756M204MD5
600	80	57.5	50	35	52.5	20.3	24.5	1600	4800	4.2	35	5.9	20	1.2	FDQ2KK806M204MD5
600	90	57.5	55	45	52.5	20.3	26.0	1800	5400	4.0	35	5.5	20	1.2	FDQ2KK906M324MD5
600	100	57.5	55	45	52.5	20.3	29.0	2000	6000	3.4	35	5.2	20	1.2	FDQ2KK107M324MD5
600	110	57.5	55	45	52.5	20.3	30.0	2200	6600	3.0	35	5.6	20	1.2	FDQ2KK117M324MD5
600	120	57.5	65	45	52.5	20.3	32.0	2400	7200	2.8	35	5.2	20	1.2	FDQ2KK127M344MD5
600	130	57.5	65	45	52.5	20.3	33.0	2600	7800	2.6	35	5.3	20	1.2	FDQ2KK137M344MD5
600	140	57.5	65	45	52.5	20.3	34.0	2800	8400	2.5	35	5.2	20	1.2	FDQ2KK147M344MD5
700	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDQ2MK205G152GL5
700	3	32	20	11	27.5	\	4.0	195	585	28.0	25	33.5	65	0.8	FDQ2MK305G182GL5
700	4	32	20	11	27.5	\	5.5	260	780	23.0	25	21.6	65	0.8	FDQ2MK405G182GL5
700	5	32	22	13	27.5	\	7.0	325	975	14.5	25	21.1	65	0.8	FDQ2MK505G212GL5
700	6	32	24.5	15	27.5	\	7.3	390	1170	13.0	25	21.7	65	0.8	FDQ2MK605G272GL5
700	7	32	24.5	15	27.5	\	8.5	455	1365	12.0	25	17.3	65	0.8	FDQ2MK705G272GL5
700	8	32	28	14	27.5	\	9.5	520	1560	11.0	25	15.1	65	0.8	FDQ2MK805G262GL5
700	9	32	30	16	27.5	\	10.5	585	1755	10.5	25	13.0	65	0.8	FDQ2MK905G322GL5
700	10	32	30	16	27.5	\	11.0	650	1950	10.0	25	12.4	65	0.8	FDQ2MK106G322GL5
700	12	32	33	18	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDQ2MK126G342GL5
700	15	32	37	22	27.5	\	12.0	975	2925	9.5	28	11.0	65	0.8	FDQ2MK156G402GL5
700	15	32	37	22	27.5	10.2	14.5	975	2925	7.0	28	10.2	65	1.0	FDQ2MK156G404GB5
700	18	32	37	22	27.5	\	12.5	1170	3510	9.0	28	10.7	65	0.8	FDQ2MK186G402GL5
700	18	32	37	22	27.5	10.2	16.5	1170	3510	6.0	28	9.2	65	1.0	FDQ2MK186G404GB5
700	10	42	30	17	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDQ2MK106K662KL5
700	12	42	30	17	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDQ2MK126K662KL5
700	15	42	32	19	37.5	\	9.5	525	1575	11.0	28	15.1	35	1.0	FDQ2MK156K212KL5
700	20	42	40	20	37.5	10.2	12.5	700	2100	9.0	30	10.7	35	1.2	FDQ2MK206K244KB5
700	22	42	40	20	37.5	10.2	13.5	770	2310	8.0	30	10.3	35	1.2	FDQ2MK226K244KB5
700	25	42	40	20	37.5	10.2	15.5	875	2625	7.0	30	8.9	35	1.2	FDQ2MK256K244KB5
700	30	42	44	24	37.5	10.2	16.5	1050	3150	6.5	30	8.5	35	1.2	FDQ2MK306K324KB5
700	35	42	45	30	37.5	20.3	18.5	1225	3675	6.0	30	7.3	35	1.2	FDQ2MK356K424KD5
700	40	42	45	30	37.5	20.3	20.5	1400	4200	5.0	30	7.1	35	1.2	FDQ2MK406K424KD5
700	45	42	50	35	37.5	20.3	23.0	1575	4725	4.5	30	6.3	35	1.2	FDQ2MK456K474KD5
700	50	42	50	35	37.5	20.3	25.0	1750	5250	4.0	30	6.0	35	1.2	FDQ2MK506K474KD5
700	60	42	55	40	37.5	20.3	27.0	2100	6300	3.8	30	5.4	35	1.2	FDQ2MK606K494KD5
700	70	42	55	40	37.5	20.3	29.0	2450	7350	3.5	30	5.1	35	1.2	FDQ2MK706K494KD5
700	75	42	60	45	37.5	20.3	30.0	2625	7875	3.0	30	5.6	35	1.2	FDQ2MK756K524KD5
700	80	42	60	45	37.5	20.3	32.0	2800	8400	2.8	30	5.2	35	1.2	FDQ2MK806K524KD5

Rating and Part Number

Vdc	Cap Value μF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
700	85	42	60	45	37.5	20.3	34.0	2975	8925	2.5	30	5.2	35	1.2	FDQ2MK856K524KD5
700	40	57.5	45	25	52.5	10.2	13.5	800	2400	8.0	35	10.3	20	1.2	FDQ2MK406M104MB5
700	45	57.5	45	25	52.5	10.2	14.0	900	2700	7.5	35	10.2	20	1.2	FDQ2MK456M104MB5
700	50	57.5	45	25	52.5	10.2	15.5	1000	3000	7.0	35	8.9	20	1.2	FDQ2MK506M104MB5
700	55	57.5	45	30	52.5	20.3	17.0	1100	3300	6.2	35	8.4	20	1.2	FDQ2MK556M164MD5
700	60	57.5	45	30	52.5	20.3	18.5	1200	3600	6.0	35	7.3	20	1.2	FDQ2MK606M164MD5
700	65	57.5	50	35	52.5	20.3	20.0	1300	3900	5.5	35	6.8	20	1.2	FDQ2MK656M204MD5
700	70	57.5	50	35	52.5	20.3	21.5	1400	4200	5.0	35	6.5	20	1.2	FDQ2MK706M204MD5
700	75	57.5	50	35	52.5	20.3	23.5	1500	4500	4.5	35	6.0	20	1.2	FDQ2MK756M204MD5
700	80	57.5	50	35	52.5	20.3	24.5	1600	4800	4.2	35	5.9	20	1.2	FDQ2MK806M204MD5
700	90	57.5	55	45	52.5	20.3	26.0	1800	5400	4.0	35	5.5	20	1.2	FDQ2MK906M324MD5
700	100	57.5	55	45	52.5	20.3	29.0	2000	6000	3.4	35	5.2	20	1.2	FDQ2MK107M324MD5
700	110	57.5	55	45	52.5	20.3	30.0	2200	6600	3.0	35	5.6	20	1.2	FDQ2MK117M324MD5
700	120	57.5	65	45	52.5	20.3	32.0	2400	7200	2.8	35	5.2	20	1.2	FDQ2MK127M344MD5
700	130	57.5	65	45	52.5	20.3	33.0	2600	7800	2.6	35	5.3	20	1.2	FDQ2MK137M344MD5
700	140	57.5	65	45	52.5	20.3	34.0	2800	8400	2.5	35	5.2	20	1.2	FDQ2MK147M344MD5
800	2	32	18	9	27.5	\	2.9	130	390	40.0	25	44.6	65	0.8	FDQ2NK205G152GL5
800	3	32	20	11	27.5	\	4.5	195	585	26.0	25	28.5	65	0.8	FDQ2NK305G182GL5
800	4	32	24.5	13	27.5	\	5.8	260	780	22.0	25	20.3	65	0.8	FDQ2NK405G222GL5
800	5	32	24.5	15	27.5	\	7.5	325	975	14.0	25	19.0	65	0.8	FDQ2NK505G272GL5
800	6	32	30	16	27.5	\	8.5	390	1170	12.0	25	17.3	65	0.8	FDQ2NK605G322GL5
800	7	32	30	16	27.5	\	9.5	455	1365	11.0	25	15.1	65	0.8	FDQ2NK705G322GL5
800	8	32	33	18	27.5	\	10.5	520	1560	10.5	25	13.0	65	0.8	FDQ2NK805G342GL5
800	9	32	33	18	27.5	\	11.5	585	1755	10.2	25	11.1	65	0.8	FDQ2NK905G342GL5
800	10	32	37	22	27.5	\	12.0	650	1950	9.5	25	11.0	65	0.8	FDQ2NK106G402GL5
800	10	32	37	22	27.5	10.2	14.0	650	1950	8.5	25	9.0	65	1.0	FDQ2NK106G404GB5
800	12	32	37	22	27.5	\	12.0	780	2340	9.5	25	11.0	65	0.8	FDQ2NK126G402GL5
800	12	32	37	22	27.5	10.2	15.0	780	2340	8.0	25	8.3	65	1.0	FDQ2NK126G404GB5
800	14	32	37	22	27.5	\	12.0	910	2730	9.5	25	11.0	65	0.8	FDQ2NK146G402GL5
800	14	32	37	22	27.5	10.2	16.0	910	2730	7.5	25	7.8	65	1.0	FDQ2NK146G404GB5
800	8	42	30	17	37.5	\	5.5	280	840	22.5	28	22.0	35	1.0	FDQ2NK805K662KL5
800	9	42	30	17	37.5	\	6.0	315	945	21.5	28	19.4	35	1.0	FDQ2NK905K662KL5
800	10	42	32	19	37.5	\	7.0	350	1050	18.0	28	17.0	35	1.0	FDQ2NK106K212KL5
800	12	42	32	19	37.5	\	8.0	420	1260	12.0	28	19.5	35	1.0	FDQ2NK126K212KL5
800	14	42	32	19	37.5	\	9.5	490	1470	11.0	28	15.1	35	1.0	FDQ2NK146K212KL5
800	15	42	40	20	37.5	10.2	12.5	525	1575	9.0	30	10.7	35	1.2	FDQ2NK156K244KB5
800	20	42	44	24	37.5	10.2	13.5	700	2100	8.0	30	10.3	35	1.2	FDQ2NK206K324KB5
800	25	42	44	24	37.5	10.2	16.5	875	2625	6.5	30	8.5	35	1.2	FDQ2NK256K324KB5
800	30	42	45	30	37.5	20.3	20.0	1050	3150	5.8	30	6.5	35	1.2	FDQ2NK306K424KD5
800	35	42	50	35	37.5	20.3	22.0	1225	3675	5.5	30	5.6	35	1.2	FDQ2NK356K474KD5
800	40	42	50	35	37.5	20.3	25.0	1400	4200	4.8	30	5.0	35	1.2	FDQ2NK406K474KD5
800	45	42	55	40	37.5	20.3	28.0	1575	4725	4.0	30	4.8	35	1.2	FDQ2NK456K494KD5
800	50	42	55	40	37.5	20.3	31.0	1750	5250	3.6	30	4.3	35	1.2	FDQ2NK506K494KD5
800	55	42	60	45	37.5	20.3	32.5	1925	5775	3.4	30	4.2	35	1.2	FDQ2NK556K524KD5
800	60	42	60	45	37.5	20.3	34.0	2100	6300	3.2	30	4.1	35	1.2	FDQ2NK606K524KD5
800	65	42	60	45	37.5	20.3	35.0	2275	6825	2.8	30	4.4	35	1.2	FDQ2NK656K524KD5
800	25	57.5	45	25	52.5	10.2	8.5	500	1500	12.0	35	17.3	20	1.2	FDQ2NK256M104MB5
800	30	57.5	45	25	52.5	10.2	10.0	600	1800	10.5	35	14.3	20	1.2	FDQ2NK306M104MB5
800	35	57.5	45	25	52.5	10.2	12.0	700	2100	9.5	35	11.0	20	1.2	FDQ2NK356M104MB5
800	40	57.5	45	30	52.5	20.3	14.0	800	2400	8.5	35	9.0	20	1.2	FDQ2NK406M164MD5
800	45	57.5	45	30	52.5	20.3	15.5	900	2700	7.0	35	8.9	20	1.2	FDQ2NK456M164MD5
800	50	57.5	50	35	52.5	20.3	17.0	1000	3000	5.8	35	8.9	20	1.2	FDQ2NK506M204MD5
800	55	57.5	50	35	52.5	20.3	19.0	1100	3300	5.5	35	7.6	20	1.2	FDQ2NK556M204MD5
800	60	57.5	50	35	52.5	20.3	21.0	1200	3600	4.8	35	7.1	20	1.2	FDQ2NK606M204MD5
800	65	57.5	55	45	52.5	20.3	22.5	1300	3900	4.6	35	6.4	20	1.2	FDQ2NK656M324MD5
800	70	57.5	55	45	52.5	20.3	24.0	1400	4200	4.5	35	5.8	20	1.2	FDQ2NK706M324MD5

Rating and Part Number

Vdc	Cap Value μF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
800	75	57.5	55	45	52.5	20.3	25.5	1500	4500	4.3	35	5.4	20	1.2	FDQ2NK756M324MD5
800	80	57.5	55	45	52.5	20.3	26.0	1600	4800	4.2	35	5.3	20	1.2	FDQ2NK806M324MD5
800	90	57.5	55	45	52.5	20.3	27.5	1800	5400	4.0	35	5.0	20	1.2	FDQ2NK906M324MD5
800	100	57.5	65	45	52.5	20.3	31.5	2000	6000	3.2	35	4.7	20	1.2	FDQ2NK107M344MD5
800	110	57.5	65	45	52.5	20.3	34.0	2200	6600	3.0	35	4.3	20	1.2	FDQ2NK117M344MD5
900	1	32	18	9	27.5	\	2.0	70	210	65.0	25	57.7	70	0.8	FDQ2QK105G152GL5
900	2	32	20	11	27.5	\	3.2	140	420	38.0	25	38.5	70	0.8	FDQ2QK205G182GL5
900	3	32	22	13	27.5	\	4.8	210	630	30.0	25	21.7	70	0.8	FDQ2QK305G212GL5
900	4	32	24.5	15	27.5	\	6.0	280	840	20.5	25	20.3	70	0.8	FDQ2QK405G272GL5
900	5	32	30	16	27.5	\	7.5	350	1050	12.0	25	22.2	70	0.8	FDQ2QK505G322GL5
900	6	32	33	18	27.5	\	7.8	420	1260	11.5	25	21.4	70	0.8	FDQ2QK605G342GL5
900	7	32	33	18	27.5	\	10.5	490	1470	10.2	25	13.3	70	0.8	FDQ2QK705G342GL5
900	8	32	37	22	27.5	\	11.5	560	1680	9.5	25	11.9	70	0.8	FDQ2QK805G402GL5
900	8	32	37	22	27.5	10.2	12.5	560	1680	9.0	25	10.7	70	1.0	FDQ2QK805G404GB5
900	9	32	37	22	27.5	\	11.8	630	1890	9.7	25	11.1	70	0.8	FDQ2QK905G402GL5
900	9	32	37	22	27.5	10.2	14.0	630	1890	7.8	25	9.8	70	1.0	FDQ2QK905G404GB5
900	10	32	37	22	27.5	\	12.0	700	2100	9.5	25	11.0	70	0.8	FDQ2QK106G402GL5
900	10	32	37	22	27.5	10.2	15.5	700	2100	7.2	25	8.7	70	1.0	FDQ2QK106G404GB5
900	5	42	30	17	37.5	\	3.8	175	525	28.0	28	37.1	35	1.0	FDQ2QK505K662KL5
900	6	42	30	17	37.5	\	4.5	210	630	25.0	28	29.6	35	1.0	FDQ2QK605K662KL5
900	7	42	30	17	37.5	\	5.0	245	735	22.0	28	27.3	35	1.0	FDQ2QK705K662KL5
900	8	42	32	19	37.5	\	6.0	280	840	19.5	28	21.4	35	1.0	FDQ2QK805K212KL5
900	10	42	40	20	37.5	10.2	7.5	350	1050	13.0	30	20.5	35	1.2	FDQ2QK106K244KB5
900	12	42	37	22	37.5	10.2	9.0	420	1260	11.5	30	16.1	35	1.2	FDQ2QK126K274KB5
900	15	42	44	24	37.5	10.2	10.5	525	1575	10.5	30	13.0	35	1.2	FDQ2QK156K324KB5
900	18	42	44	24	37.5	10.2	13.0	630	1890	8.8	30	10.1	35	1.2	FDQ2QK186K324KB5
900	20	42	44	24	37.5	10.2	14.5	700	2100	7.5	30	9.5	35	1.2	FDQ2QK206K324KB5
900	25	42	45	30	37.5	20.3	17.5	875	2625	6.2	30	7.9	35	1.2	FDQ2QK256K424KD5
900	30	42	50	35	37.5	20.3	21.5	1050	3150	5.0	30	6.5	35	1.2	FDQ2QK306K474KD5
900	35	42	55	40	37.5	20.3	23.0	1225	3675	4.6	30	6.2	35	1.2	FDQ2QK356K494KD5
900	40	42	55	40	37.5	20.3	26.5	1400	4200	3.9	30	5.5	35	1.2	FDQ2QK406K494KD5
900	45	42	60	45	37.5	20.3	30.0	1575	4725	3.4	30	4.9	35	1.2	FDQ2QK456K524KD5
900	50	42	60	45	37.5	20.3	33.5	1750	5250	3.0	30	4.5	35	1.2	FDQ2QK506K524KD5
900	15	57.5	45	25	52.5	10.2	5.5	300	900	22.0	35	22.5	20	1.2	FDQ2QK156M104MB5
900	20	57.5	45	25	52.5	10.2	7.5	400	1200	13.5	35	19.8	20	1.2	FDQ2QK206M104MB5
900	25	57.5	45	25	52.5	10.2	9.0	500	1500	11.5	35	16.1	20	1.2	FDQ2QK256M104MB5
900	30	57.5	45	30	52.5	20.3	11.0	600	1800	10.0	35	12.4	20	1.2	FDQ2QK306M164MD5
900	35	57.5	45	30	52.5	20.3	12.5	700	2100	9.0	35	10.7	20	1.2	FDQ2QK356M164MD5
900	40	57.5	50	35	52.5	20.3	14.5	800	2400	7.5	35	9.5	20	1.2	FDQ2QK406M204MD5
900	45	57.5	50	35	52.5	20.3	16.0	900	2700	6.8	35	8.6	20	1.2	FDQ2QK456M204MD5
900	50	57.5	50	35	52.5	20.3	18.0	1000	3000	6.4	35	7.2	20	1.2	FDQ2QK506M204MD5
900	55	57.5	55	45	52.5	20.3	20.0	1100	3300	5.6	35	6.7	20	1.2	FDQ2QK556M324MD5
900	60	57.5	55	45	52.5	20.3	21.5	1200	3600	4.8	35	6.8	20	1.2	FDQ2QK606M324MD5
900	65	57.5	55	45	52.5	20.3	23.0	1300	3900	4.5	35	6.3	20	1.2	FDQ2QK656M324MD5
900	70	57.5	65	45	52.5	20.3	25.0	1400	4200	4.0	35	6.0	20	1.2	FDQ2QK706M344MD5
900	75	57.5	65	45	52.5	20.3	25.5	1500	4500	3.9	35	5.9	20	1.2	FDQ2QK756M344MD5
900	80	57.5	65	45	52.5	20.3	26.5	1600	4800	3.8	35	5.6	20	1.2	FDQ2QK806M344MD5
900	85	57.5	65	45	52.5	20.3	28.5	1700	5100	3.6	35	5.1	20	1.2	FDQ2QK856M344MD5
1000	1	32	18	9	27.5	\	2.0	75	225	65.0	25	57.7	75	0.8	FDQ3KK105G152GL5
1000	2	32	22	13	27.5	\	3.5	150	450	38.0	25	32.2	75	0.8	FDQ3KK205G212GL5
1000	3	32	24.5	15	27.5	\	5.0	225	675	22.0	25	27.3	75	0.8	FDQ3KK305G272GL5
1000	4	32	30	16	27.5	\	7.0	300	900	16.5	25	18.6	75	0.8	FDQ3KK405G322GL5
1000	5	32	33	18	27.5	\	8.5	375	1125	12.5	25	16.6	75	0.8	FDQ3KK505G342GL5
1000	6	32	33	18	27.5	\	9.0	450	1350	11.5	25	16.1	75	0.8	FDQ3KK605G342GL5
1000	7	32	37	22	27.5	\	9.5	525	1575	11.0	25	15.1	75	0.8	FDQ3KK705G402GL5
1000	7	32	37	22	27.5	10.2	11.5	525	1575	9.8	25	11.6	75	1.0	FDQ3KK705G404GB5

Rating and Part Number

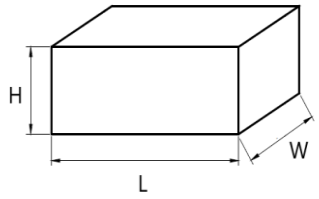
Vdc	Cap Value μF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
1000	8	32	37	22	27.5	\	10.5	600	1800	10.5	25	13.0	75	0.8	FDQ3KK805G402GL5
1000	8	32	37	22	27.5	10.2	13.0	600	1800	8.8	25	10.1	75	1.0	FDQ3KK805G404GB5
1000	5	42	30	17	37.5	\	3.8	175	525	28.0	28	37.1	35	1.0	FDQ3KK505K662KL5
1000	6	42	30	17	37.5	\	4.5	210	630	25.0	28	29.6	35	1.0	FDQ3KK605K662KL5
1000	7	42	30	17	37.5	\	5.0	245	735	22.0	28	27.3	35	1.0	FDQ3KK705K662KL5
1000	8	42	32	19	37.5	\	6.0	280	840	19.5	28	21.4	35	1.0	FDQ3KK805K212KL5
1000	10	42	40	20	37.5	10.2	7.5	350	1050	13.0	30	20.5	35	1.2	FDQ3KK106K244KB5
1000	12	42	37	22	37.5	10.2	9.0	420	1260	11.5	30	16.1	35	1.2	FDQ3KK126K274KB5
1000	15	42	44	24	37.5	10.2	11.5	525	1575	10.0	30	11.3	35	1.2	FDQ3KK156K324KB5
1000	18	42	45	30	37.5	20.3	14.0	630	1890	7.8	30	9.8	35	1.2	FDQ3KK186K424KD5
1000	20	42	45	30	37.5	20.3	15.5	700	2100	7.0	30	8.9	35	1.2	FDQ3KK206K424KD5
1000	25	42	50	35	37.5	20.3	19.5	875	2625	5.5	30	7.2	35	1.2	FDQ3KK256K474KD5
1000	30	42	55	40	37.5	20.3	23.0	1050	3150	4.6	30	6.2	35	1.2	FDQ3KK306K494KD5
1000	35	42	55	40	37.5	20.3	25.0	1225	3675	4.0	30	6.0	35	1.2	FDQ3KK356K494KD5
1000	40	42	60	45	37.5	20.3	28.5	1400	4200	3.6	30	5.1	35	1.2	FDQ3KK406K524KD5
1000	15	57.5	45	25	52.5	10.2	5.8	300	900	19.8	35	22.5	20	1.2	FDQ3KK156M104MB5
1000	20	57.5	45	25	52.5	10.2	7.5	400	1200	13.5	35	19.8	20	1.2	FDQ3KK206M104MB5
1000	25	57.5	45	25	52.5	10.2	9.5	500	1500	11.0	35	15.1	20	1.2	FDQ3KK256M104MB5
1000	30	57.5	45	30	52.5	20.3	11.5	600	1800	9.8	35	11.6	20	1.2	FDQ3KK306M164MD5
1000	35	57.5	45	30	52.5	20.3	13.5	700	2100	8.0	35	10.3	20	1.2	FDQ3KK356M164MD5
1000	40	57.5	50	35	52.5	20.3	15.5	800	2400	7.0	35	8.9	20	1.2	FDQ3KK406M204MD5
1000	45	57.5	55	45	52.5	20.3	17.5	900	2700	6.2	35	7.9	20	1.2	FDQ3KK456M324MD5
1000	50	57.5	55	45	52.5	20.3	19.5	1000	3000	5.8	35	6.8	20	1.2	FDQ3KK506M324MD5
1000	55	57.5	55	45	52.5	20.3	21.0	1100	3300	5.0	35	6.8	20	1.2	FDQ3KK556M324MD5
1000	60	57.5	65	45	52.5	20.3	23.0	1200	3600	4.6	35	6.2	20	1.2	FDQ3KK606M344MD5
1000	65	57.5	65	45	52.5	20.3	25.0	1300	3900	4.2	35	5.7	20	1.2	FDQ3KK656M344MD5
1000	70	57.5	65	45	52.5	20.3	27.0	1400	4200	3.8	35	5.4	20	1.2	FDQ3KK706M344MD5
1100	1	32	20	11	27.5	\	2.2	80	240	65.0	25	47.7	80	0.8	FDQ3MK105G182GL5
1100	1.5	32	22	13	27.5	\	2.5	120	360	46.0	25	52.2	80	0.8	FDQ3MK155G212GL5
1100	2	32	24.5	13	27.5	\	4.8	160	480	24.5	25	26.6	80	0.8	FDQ3MK205G222GL5
1100	3	32	30	16	27.5	\	6.5	240	720	18.5	25	19.2	80	0.8	FDQ3MK305G322GL5
1100	4	32	33	18	27.5	\	8.5	320	960	12.5	25	16.6	80	0.8	FDQ3MK405G342GL5
1100	5	32	37	22	27.5	\	9.8	400	1200	10.8	25	14.5	80	0.8	FDQ3MK505G402GL5
1100	5	32	37	22	27.5	10.2	10.5	400	1200	10.5	25	13.0	80	1.0	FDQ3MK505G404GB5
1100	6	32	37	22	27.5	\	10.5	480	1440	10.5	25	13.0	80	0.8	FDQ3MK605G402GL5
1100	6	32	37	22	27.5	10.2	13.0	480	1440	8.8	25	10.1	80	1.0	FDQ3MK605G404GB5
1100	3	42	30	17	37.5	\	2.5	120	360	46.0	28	52.2	40	1.0	FDQ3MK305K662KL5
1100	4	42	30	17	37.5	\	3.5	160	480	32.5	28	37.7	40	1.0	FDQ3MK405K662KL5
1100	4.7	42	32	19	37.5	\	4.0	188	564	28.0	28	33.5	40	1.0	FDQ3MK475K212KL5
1100	5	42	32	19	37.5	\	4.2	200	600	26.0	28	32.7	40	1.0	FDQ3MK505K212KL5
1100	6	42	32	19	37.5	\	5.0	240	720	23.5	28	25.5	40	1.0	FDQ3MK605K212KL5
1100	7	42	40	20	37.5	10.2	6.0	280	840	18.5	30	22.5	40	1.2	FDQ3MK705K244KB5
1100	8	42	37	22	37.5	10.2	6.5	320	960	16.5	30	21.5	40	1.2	FDQ3MK805K274KB5
1100	9	42	37	22	37.5	10.2	7.5	360	1080	13.0	30	20.5	40	1.2	FDQ3MK905K274KB5
1100	10	42	44	24	37.5	10.2	8.5	400	1200	12.0	30	17.3	40	1.2	FDQ3MK106K324KB5
1100	12	42	44	24	37.5	10.2	10.0	480	1440	10.8	30	13.9	40	1.2	FDQ3MK126K324KB5
1100	14	42	45	30	37.5	20.3	12.0	560	1680	9.5	30	11.0	40	1.2	FDQ3MK146K424KD5
1100	15	42	45	30	37.5	20.3	13.0	600	1800	8.5	30	10.4	40	1.2	FDQ3MK156K424KD5
1100	18	42	50	35	37.5	20.3	15.0	720	2160	7.0	30	9.5	40	1.2	FDQ3MK186K474KD5
1100	20	42	50	35	37.5	20.3	16.5	800	2400	6.5	30	8.5	40	1.2	FDQ3MK206K474KD5
1100	25	42	55	40	37.5	20.3	20.5	1000	3000	5.0	30	7.1	40	1.2	FDQ3MK256K494KD5
1100	30	42	60	45	37.5	20.3	24.5	1200	3600	4.3	30	5.8	40	1.2	FDQ3MK306K524KD5
1100	15	57.5	45	25	52.5	10.2	6.5	300	900	16.5	35	21.5	20	1.2	FDQ3MK156M104MB5
1100	20	57.5	45	30	52.5	20.3	9.0	400	1200	11.5	35	16.1	20	1.2	FDQ3MK206M164MD5
1100	25	57.5	50	35	52.5	20.3	11.0	500	1500	10.0	35	12.4	20	1.2	FDQ3MK256M204MD5
1100	30	57.5	50	35	52.5	20.3	13.0	600	1800	8.6	35	10.3	20	1.2	FDQ3MK306M204MD5

Rating and Part Number

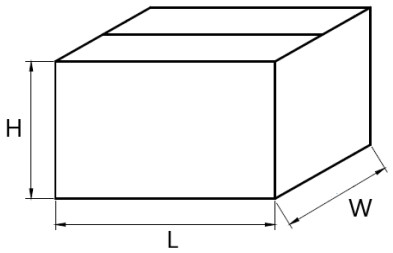
Vdc	Cap Value μF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
1100	35	57.5	55	45	52.5	20.3	14.5	700	2100	7.5	35	9.5	20	1.2	FDQ3MK356M324MD5
1100	40	57.5	55	45	52.5	20.3	16.0	800	2400	6.8	35	8.6	20	1.2	FDQ3MK406M324MD5
1100	45	57.5	55	45	52.5	20.3	17.5	900	2700	6.2	35	7.9	20	1.2	FDQ3MK456M324MD5
1100	50	57.5	65	45	52.5	20.3	19.5	1000	3000	5.6	35	7.0	20	1.2	FDQ3MK506M344MD5
1100	55	57.5	65	45	52.5	20.3	21.5	1100	3300	4.8	35	6.8	20	1.2	FDQ3MK556M344MD5
1200	1	32	20	11	27.5	\	3.5	90	270	35.0	25	35.0	90	0.8	FDQ3BK105G182GL5
1200	2	32	24.5	15	27.5	\	5.0	180	540	24.0	25	25.0	90	0.8	FDQ3BK205G272GL5
1200	3	32	30	16	27.5	\	7.5	270	810	13.0	25	20.5	90	0.8	FDQ3BK305G322GL5
1200	4	32	33	18	27.5	\	9.5	360	1080	11.0	25	15.1	90	0.8	FDQ3BK405G342GL5
1200	5	32	37	22	27.5	\	10.5	450	1350	10.5	25	13.0	90	0.8	FDQ3BK505G402GL5
1200	5	32	37	22	27.5	10.2	12.0	450	1350	9.5	25	11.0	90	1.0	FDQ3BK505G404GB5
1200	3	42	30	17	37.5	\	3.2	135	405	35.0	28	41.9	45	1.0	FDQ3BK305K662KL5
1200	4	42	30	17	37.5	\	4.2	180	540	28.0	28	30.4	45	1.0	FDQ3BK405K662KL5
1200	5	42	32	19	37.5	\	5.5	225	675	21.5	28	23.1	45	1.0	FDQ3BK505K212KL5
1200	6	42	40	20	37.5	10.2	6.5	270	810	16.5	30	21.5	45	1.2	FDQ3BK605K244KB5
1200	7	42	37	22	37.5	10.2	7.5	315	945	13.0	30	20.5	45	1.2	FDQ3BK705K274KB5
1200	8	42	44	24	37.5	10.2	8.5	360	1080	12.0	30	17.3	45	1.2	FDQ3BK805K324KB5
1200	9	42	44	24	37.5	10.2	10.0	405	1215	10.8	30	13.9	45	1.2	FDQ3BK905K324KB5
1200	10	42	44	24	37.5	10.2	11.0	450	1350	10.0	30	12.4	45	1.2	FDQ3BK106K324KB5
1200	12	42	45	30	37.5	20.3	13.0	540	1620	8.5	30	10.4	45	1.2	FDQ3BK126K424KD5
1200	15	42	50	35	37.5	20.3	16.0	675	2025	6.8	30	8.6	45	1.2	FDQ3BK156K474KD5
1200	18	42	50	35	37.5	20.3	18.0	810	2430	6.2	30	7.5	45	1.2	FDQ3BK186K474KD5
1200	20	42	55	40	37.5	20.3	20.0	900	2700	5.5	30	6.8	45	1.2	FDQ3BK206K494KD5
1200	25	42	60	45	37.5	20.3	25.0	1125	3375	4.3	30	5.6	45	1.2	FDQ3BK256K524KD5
1200	12	57.5	45	25	52.5	10.2	6.5	300	900	16.5	35	21.5	25	1.2	FDQ3BK126M104MB5
1200	15	57.5	45	25	52.5	10.2	7.5	375	1125	13.0	35	20.5	25	1.2	FDQ3BK156M104MB5
1200	20	57.5	45	30	52.5	20.3	11.0	500	1500	10.0	35	12.4	25	1.2	FDQ3BK206M164MD5
1200	25	57.5	50	35	52.5	20.3	13.0	625	1875	8.6	35	10.3	25	1.2	FDQ3BK256M204MD5
1200	30	57.5	55	45	52.5	20.3	14.5	750	2250	7.5	35	9.5	25	1.2	FDQ3BK306M324MD5
1200	35	57.5	55	45	52.5	20.3	16.0	875	2625	6.8	35	8.6	25	1.2	FDQ3BK356M324MD5
1200	40	57.5	65	45	52.5	20.3	20.0	1000	3000	5.5	35	6.8	25	1.2	FDQ3BK406M344MD5
1200	45	57.5	65	45	52.5	20.3	22.5	1125	3375	4.8	35	6.2	25	1.2	FDQ3BK456M344MD5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity	
		W	H	T	Long Leads	Short Leads
27.5	G15	32	18	9	340	340
	G18	32	20	11	280	280
	G21	32	22	13	230	230
	G22	32	24.5	13	230	230
	G26	32	28	14	220	220
	G27	32	24.5	15	200	200
	G32	32	30	16	190	190
	G34	32	33	18	170	170
	G40	32	37	22	140	140
37.5	K21	42	32	19	112	112
	K24	42	40	20	105	105
	K27	42	37	22	98	98
	K32	42	44	24	91	91
	K37	42	37	28	77	77
	K39	42	43	28	77	77
	K42	42	45	30	70	70
	K47	42	50	35	63	63
	K49	42	55	40	49	49
	K52	42	60	45	49	49
	K66	42	30	17	126	126
52.5	M10	57.5	45	25	60	60
	M16	57.5	45	30	50	50
	M20	57.5	50	35	45	45
	M23	57.5	65	35	45	45
	M32	57.5	55	45	35	35
	M34	57.5	65	45	35	35

Overview
The FDB capacitor is constructed of metallized polypropylene film in cylindrical plastic case and filled with epoxy resin.

Applications
Widely used in DC Link, high performance DC filtering, motor drive systems, welder, elevator, EV/HEV.

Features
- Self-healing
- Low inductance
- High capacitance density
- Low ESR and high ripple current handling capability
- Long lifetime and can replace bank of series-connected electrolytic capacitors

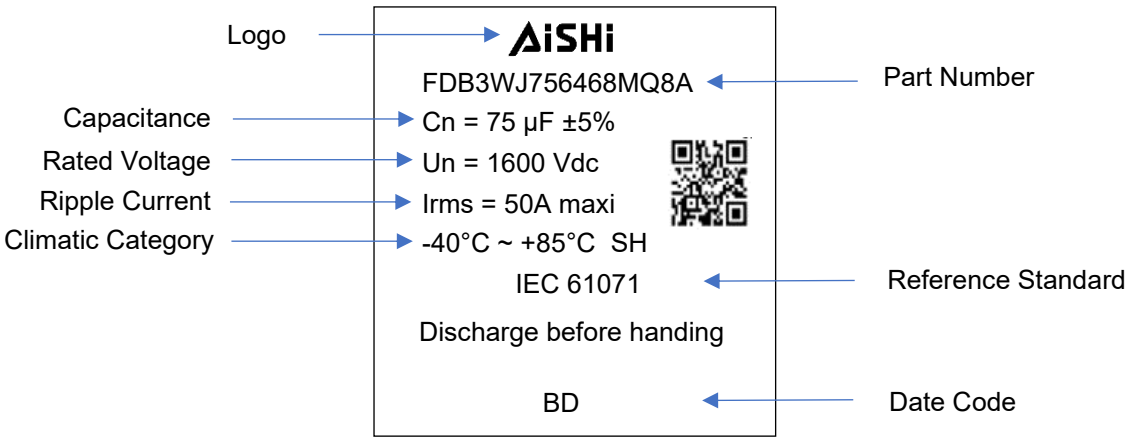
Qualification

Reference Standard	IEC 61071
Climate Category	40/85/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	500Vdc to 1100Vdc
Capacitance Range	50μF to 280μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +85°C
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤0.0020 at 1KHz
Insulation Resistance	IR x C ≥10,000s at 100VDC 1minute at +25°C

Marking



Part Number System

F	DB	3W	J	756	468	MQ8	A
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Terminal Length Code
F = Film	DC Link, Cylindrical Plastic Case, Metallized PP Film	500=2H 600=2K 800=2N 1000=3K 1100=3M	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Terminal Length Code Table

Size Code Table

Digit One Case Diameter: D		Digit Two and Three Case Height: H	
85mm	4	40mm	40
		51mm	51
		64mm	64
		76mm	76

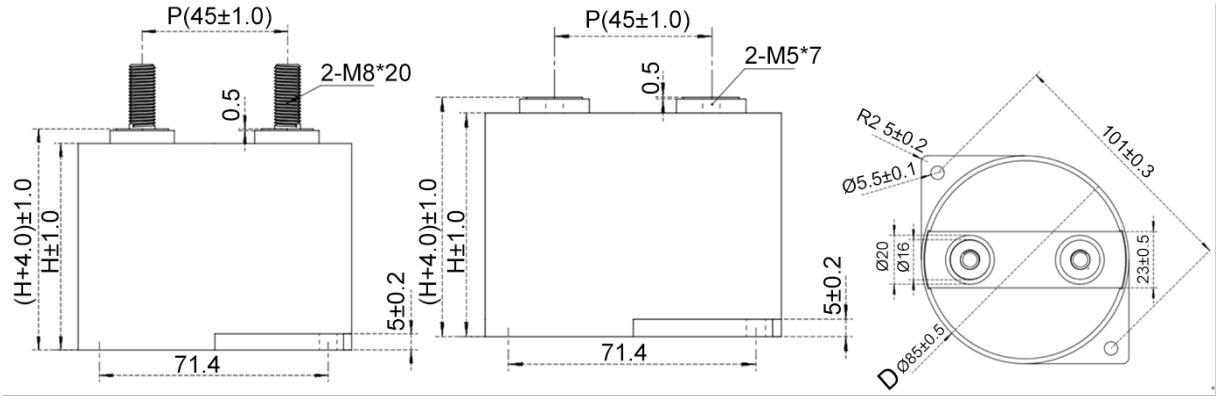
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Terminal Space)		Digit Three (Terminal Size)	
Male Terminal	M	45.0mm	Q	M5	5
Female Terminal	F	N/A	N	M6	6
				M8	8

Lead Length Code

Terminal Length	
5mm	5
6mm	6
7mm	7
20mm	A
N/A	N

Outline Drawing (mm)



Rating and Part Number

Male Terminal

Vdc	Cap Value	Dimensions			Irms	Peak Current	Surge Current	ESR	ESL	Thermal Res	dv/dt	Pkg Qty	Part Number
		D	H	P	10KHz			1KHz					
	μF	mm	mm	mm	A (50°C)	A	A	mΩ	nH	°C/W	V/us	pcs	
500	150	85	40	45	65	5,250	15,750	1.8	25	4.3	35	8	FDB2HK157440MQ8A
500	220	85	51	45	65	5,500	16,500	1.8	40	4.8	25	8	FDB2HK227451MQ8A
500	280	85	64	45	70	5,600	16,800	1.6	40	5.4	20	8	FDB2HK287464MQ8A
600	100	85	40	45	70	3,500	10,500	1.5	25	5.0	35	8	FDB2KK107440MQ8A
600	150	85	51	45	80	3,750	11,250	1.4	30	6.5	25	8	FDB2KK157451MQ8A
600	220	85	64	45	90	4,400	13,200	1.5	40	4.5	20	8	FDB2KK227464MQ8A
800	66	85	40	45	70	2,310	6,930	2.0	25	5.0	35	8	FDB2NK666440MQ8A
800	100	85	51	45	75	2,500	7,500	1.8	30	5.0	25	8	FDB2NK107451MQ8A
800	140	85	64	45	80	2,800	8,400	1.6	40	8.4	20	8	FDB2NK147464MQ8A
800	220	85	64	45	100	4,400	13,200	1.4	40	4.8	20	8	FDB2NK227464MQ8A
1000	66	85	40	45	70	2,310	6,930	1.0	25	4.2	35	8	FDB3KK666440MQ8A
1000	120	85	51	45	85	3,000	9,000	2.2	30	5.2	25	8	FDB3KK127451MQ8A
1000	140	85	64	45	100	2,800	8,400	1.5	40	3.1	20	8	FDB3KK147464MQ8A
1100	50	85	40	45	55	1,750	5,250	2.4	30	4.5	35	8	FDB3MK506440MQ8A
1100	100	85	51	45	55	2,500	7,500	2.0	30	4.5	25	8	FDB3MK107451MQ8A

Rating and Part Number

Female Terminal

Vdc	Cap Value	Dimensions			Irms	Peak Current	Surge Current	ESR	ESL	Thermal Res	dv/dt	Pkg Qty	Part Number
		D	H	P	10KHz			1KHz					
	μF	mm	mm	mm	A (50°C)	A	A	mΩ	nH	°C/W	V/us	pcs	
500	150	85	40	45	65.0	5,250	15,750	1.8	25	4.3	35	8	FDB2HK157440FQ55
500	220	85	51	45	65.0	5,500	16,500	1.8	40	4.8	25	8	FDB2HK227451FQ55
500	280	85	64	45	70.0	5,600	16,800	1.6	40	5.4	20	8	FDB2HK287464FQ55
600	100	85	40	45	70.0	3,500	10,500	1.5	25	5.0	35	8	FDB2KK107440FQ55
600	150	85	51	45	80.0	3,750	11,250	1.4	30	6.5	25	8	FDB2KK157451FQ55
600	220	85	64	45	90.0	4,400	13,200	1.5	40	4.5	20	8	FDB2KK227464FQ55
800	66	85	40	45	70.0	2,310	6,930	2.0	25	5.0	35	8	FDB2NK666440FQ55
800	100	85	51	45	75.0	2,500	7,500	1.8	30	5.0	25	8	FDB2NK107451FQ55
800	140	85	64	45	80.0	2,800	8,400	1.6	40	8.4	20	8	FDB2NK147464FQ55
800	220	85	64	45	100.0	4,400	13,200	1.4	40	4.8	20	8	FDB2NK227464FQ55
1000	66	85	40	45	70.0	2,310	6,930	1.0	25	4.2	35	8	FDB3KK666440FQ55
1000	120	85	51	45	85.0	3,000	9,000	2.2	30	5.2	25	8	FDB3KK127451FQ55
1000	140	85	64	45	100.0	2,800	8,400	1.5	40	3.1	20	8	FDB3KK147464FQ55
1100	50	85	40	45	55.0	1,750	5,250	2.4	30	4.5	35	8	FDB3MK506440FQ55
1100	100	85	51	45	55.0	2,500	7,500	2.0	30	4.5	25	8	FDB3MK107451FQ55

Packaging Information

Capacitors are well protected by foams. And then are packaged in the cartons.

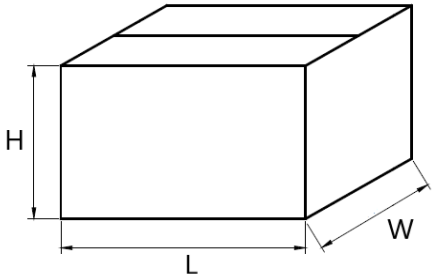


Table 1 carton dimensions

Carton No.	L (mm)	W (mm)	H (mm)
1	375	285	235
2	375	285	300
3	375	285	330
4	375	285	365
5	375	285	265

Every carton contains capacitors as per the following Table 2.

Table 2 Capacitor quantity of each carton

Capacitor Diameter (mm)	Quantity (pcs)
85	24

Overview

The FDC capacitor is constructed of metallized polypropylene film in cylindrical aluminum can with stud and filled with epoxy resin. These FDC is specially design for application in high power conversion which required high capacitance with high reliability.

Applications

Widely used in high performance DC filtering, solar inverter, wind power and energy storage. Suitable for centralized inverter systems and can replace bank of series-connected electrolytic capacitors.

Features

- Self-healing
- High capacitance density
- High ripple current and low loss
- Long lifetime
- Can replace bank of series-connected electrolytic capacitors
- THB Grade IIIB available on request.

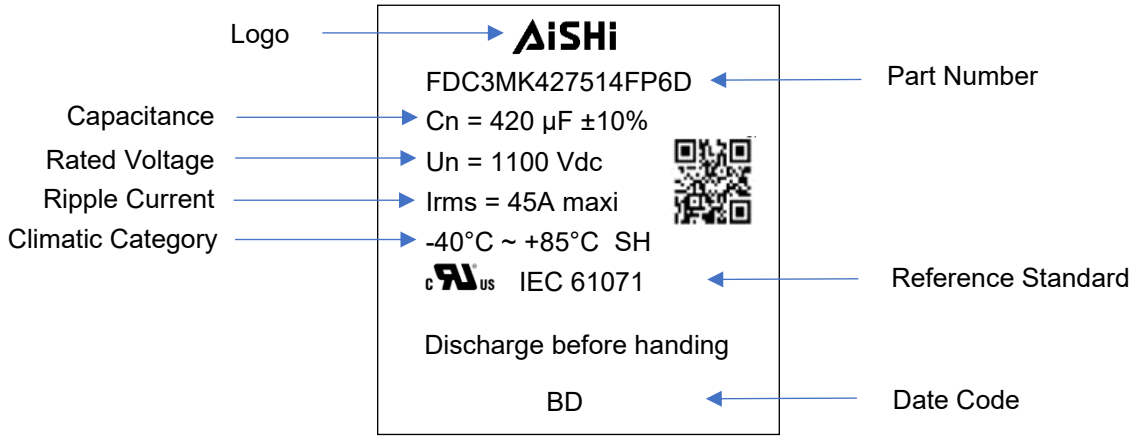
Applicable Standard

Approval	Specification	File Number
c UL us	UL 810 (Construction Only)	E500537

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	600Vdc to 4000Vdc
Capacitance Range	24μF to 5600μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +85°C
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤0.0020 at 100Hz
Insulation Resistance	IR x C ≥10,000s at 100VDC 1minute at +25°C

Marking



Part Number System

F	DC	3M	K	427	514	FP6	D
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Bottom Stud Code
F = Film	DC Link, Cylindrical Aluminum Can Dry Type, Metallized PP Film	600=2K 700=2M 800=2N 900=2Q 1000=3K 1100=3M 1200=3B 1300=3S 1500=3U 1750=3Q 2000=3D 2200=3C 2400=4A 2600=4B 2800=4C 3000=3F 3200=4D 3600=4E 4000=3G	J = ±5% K = ±10% H = ±3% A = -5% ~ +10% B = 0 ~ +5% C = -15% ~ 0 D = 0 ~ +10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Bottom Stud Code Table

Terminal Code

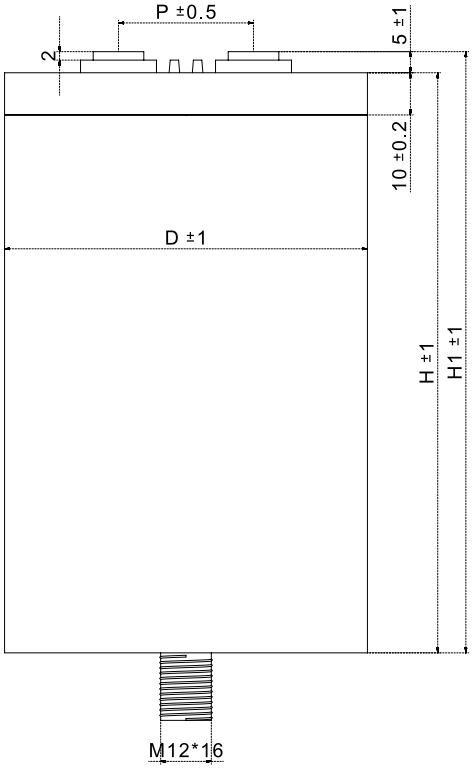
Digit One (Lead/Terminal Type)		Digit Two (Terminal Space)		Digit Three (Terminal Size)	
Male Terminal	M	32.0mm	P	M5	5
Female Terminal	F	35.0mm	X	M6	6
		45.0mm	Q	M8	8
		50.0mm	R		
		N/A	N		

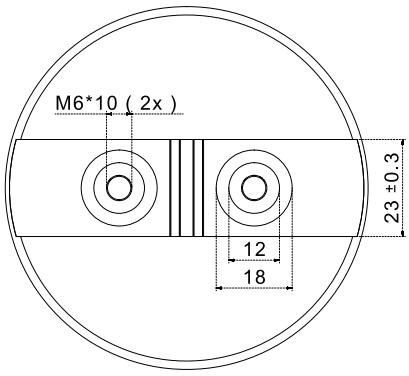
Lead Length Code

Bottom Stud	
Bottom M8*10	C
Bottom M12*16	D
No Bottom Stud	E

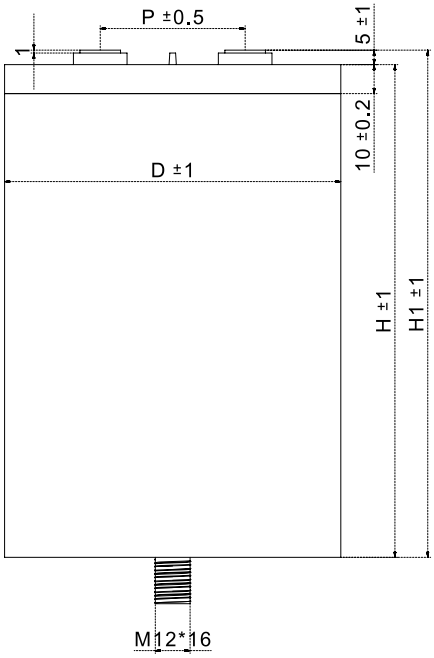
Dimension (mm)

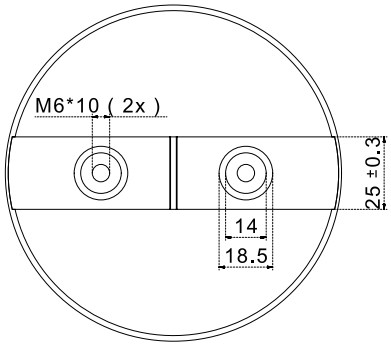
Diameter 76mm, 86mm



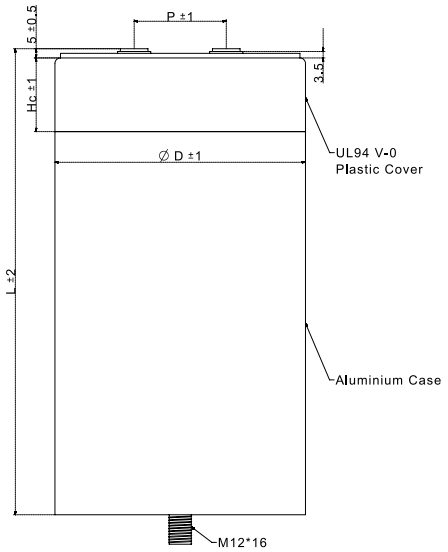


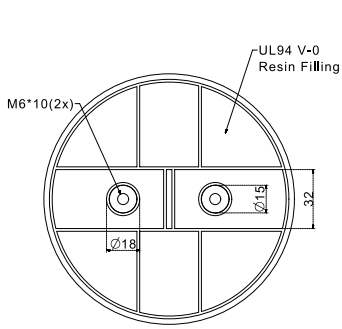
Diameter 116mm





Diameter 136mm





Size Code Table

Size Code	Dimension					
	D±1	H1±1	P±1	d±0.3	d1±0.3	h±1
380	75.0	80.0	32.0	12.0	15.0	30.0
310	75.0	105.0	32.0	12.0	15.0	30.0
580	86.0	80.0	32.0	12.0	15.0	30.0
510	86.0	105.0	32.0	12.0	15.0	30.0
512	86.0	126.0	32.0	12.0	15.0	30.0
514	86.0	142.5	32.0	12.0	15.0	30.0
515	86.0	151.0	32.0	12.0	15.0	30.0
516	86.0	161.0	32.0	12.0	15.0	30.0
517	86.0	178.5	32.0	12.0	15.0	30.0
518	86.0	180.0	32.0	12.0	15.0	30.0
520	86.0	205.0	32.0	12.0	15.0	30.0
522	86.0	225.0	32.0	12.0	15.0	30.0
A15	100.0	155.0	32.0	15.0	18.0	40.0
A18	100.0	180.0	32.0	15.0	18.0	40.0
910	116.0	105.0	50.0	15.0	18.0	40.0
915	116.0	155.0	50.0	15.0	18.0	40.0
916	116.0	161.0	50.0	15.0	18.0	40.0
917	116.0	170.0	50.0	15.0	18.0	40.0
918	116.0	180.0	50.0	15.0	18.0	40.0
920	116.0	205.0	50.0	15.0	18.0	40.0
923	116.0	235.0	50.0	15.0	18.0	40.0
924	116.0	240.0	50.0	15.0	18.0	40.0
926	116.0	265.0	50.0	15.0	18.0	40.0
929	116.0	290.0	50.0	15.0	18.0	40.0
933	116.0	330.0	50.0	15.0	18.0	40.0
934	116.0	340.0	50.0	15.0	18.0	40.0
023	136.0	235.0	50.0	15.0	18.0	40.0
026	136.0	265.0	50.0	15.0	18.0	40.0
034	136.0	340.0	50.0	15.0	18.0	40.0

Rating and Part Number

Vdc	Cap Value μF	Dimensions D mm	H1 mm	P mm	Irms 10KHz A (50°C)	Peak Current A	ESR 1KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Pkg Qty pcs	Part Number
600	480	75	101	32	65	1560	1.5	45	5.5	3.3	12	FDC2KK487310FP6D
600	650	75	126	32	62	1560	1.9	50	4.7	2.4	12	FDC2KK657312FP6D
600	800	75	146	32	60	1600	2.0	55	4.6	2.0	12	FDC2KK807314FP6D
600	950	75	180	32	70	3200	1.5	45	4.2	3.4	12	FDC2KK957318FP6D
600	650	86	101	32	70	2200	1.2	45	5.1	3.4	8	FDC2KK657510FP6D
600	880	86	126	32	70	2100	1.5	50	4.7	2.4	8	FDC2KK887512FP6D
600	1000	86	142	32	65	2430	1.0	55	4.6	2.4	8	FDC2KK108514FP6D
600	1100	86	146	32	66	2160	1.7	55	4.6	2.0	8	FDC2KK118514FP6D
600	1100	86	161	32	70	4200	1.4	40	4.3	3.8	8	FDC2KK118516FP6D
600	1300	86	180	32	70	4200	1.4	45	4.3	3.2	8	FDC2KK138518FP6D
600	2000	86	260	32	70	6500	1.1	55	3.0	3.3	8	FDC2KK208526FP6D
600	900	96	101	50	70	2900	1.3	45	4.7	3.2	6	FDC2KK907610FR6D
600	1200	96	126	50	70	2900	1.4	50	4.1	2.4	6	FDC2KK128612FR6D
600	1400	96	141	50	70	2890	1.5	55	3.9	2.1	6	FDC2KK148614FR6D
600	1500	96	146	50	70	2850	1.6	55	3.8	1.9	6	FDC2KK158614FR6D
600	1600	96	161	50	70	6000	1.0	40	3.5	3.8	6	FDC2KK168616FR6D
600	1800	96	180	50	70	6000	1.0	45	3.2	3.3	6	FDC2KK188618FR6D
600	1200	116	101	50	80	4000	0.7	45	5.4	3.3	5	FDC2KK128910FR6D
600	1600	116	126	50	80	4000	1.0	50	5.0	2.5	5	FDC2KK168912FR6D
600	2000	116	146	50	80	4000	1.1	55	4.9	2.0	5	FDC2KK208914FR6D
600	2100	116	161	50	100	8000	0.8	40	3.6	3.8	5	FDC2KK218916FR6D
600	2400	116	180	50	100	8000	0.9	45	3.4	3.3	5	FDC2KK248918FR6D
600	3000	116	230	50	100	11200	0.8	50	2.7	3.7	5	FDC2KK308923FR6D
600	5600	136	270	50	100	16000	0.8	60	2.0	2.9	2	FDC2KK568027FR6D
700	360	75	101	32	62	1560	1.6	45	5.6	4.3	12	FDC2MK367310FP6D
700	480	75	126	32	59	1530	2.1	50	4.7	3.2	12	FDC2MK487312FP6D
700	580	75	146	32	56	1530	2.4	55	4.6	2.6	12	FDC2MK587314FP6D
700	620	75	161	32	70	3000	1.5	40	4.3	4.8	12	FDC2MK627316FP6D
700	720	75	180	32	70	3200	1.6	45	4.2	4.4	12	FDC2MK727318FP6D
700	480	86	101	32	70	2100	1.3	45	5.1	4.4	8	FDC2MK487510FP6D
700	650	86	126	32	66	2100	1.7	50	4.7	3.2	8	FDC2MK657512FP6D
700	750	86	141	32	61	2100	2.0	55	4.7	2.8	8	FDC2MK757514FP6D
700	780	86	146	32	63	2100	1.9	55	4.6	2.7	8	FDC2MK787514FP6D
700	820	86	161	32	70	4100	1.4	40	4.4	5.0	8	FDC2MK827516FP6D
700	950	86	180	32	70	4100	1.5	45	4.3	4.3	8	FDC2MK957518FP6D
700	1500	86	260	32	70	6500	1.1	55	3.0	4.3	8	FDC2MK158526FP6D
700	650	96	101	50	69	2700	1.4	45	4.7	4.2	6	FDC2MK657610FR6D
700	900	96	126	50	69	2700	1.5	50	4.1	3.0	6	FDC2MK907612FR6D
700	1000	96	141	50	67	2700	1.7	55	3.9	2.7	6	FDC2MK108614FR6D
700	1100	96	146	50	68	2800	1.7	55	3.8	2.5	6	FDC2MK118614FR6D
700	1100	96	161	50	68	5200	1.0	40	3.5	4.7	6	FDC2MK118616FR6D
700	1300	96	180	50	70	5500	1.1	45	3.2	4.2	6	FDC2MK138618FR6D
700	920	116	101	50	80	4000	0.7	45	5.4	4.3	5	FDC2MK927910FR6D
700	1200	116	126	50	80	4000	1.0	50	5.0	3.3	5	FDC2MK128912FR6D
700	1500	116	161	50	80	4000	1.1	55	4.9	2.7	5	FDC2MK158916FR6D
700	1800	116	180	50	100	7800	1.0	40	3.4	4.3	5	FDC2MK188918FR6D
700	2300	116	230	50	100	11500	0.8	50	2.7	5.0	5	FDC2MK238923FR6D
700	4200	136	270	50	100	16000	0.8	60	2.0	3.8	2	FDC2MK428027FR6D

Rating and Part Number

Vdc	Cap Value	Dimensions			Irms 10KHz	Peak Current	ESR 1KHz	ESL	Thermal Res	dv/dt	Pkg Qty	Part Number
	μF	D	H1	P								
		mm	mm	mm	A (50°C)	A	mΩ	nH	°C/W	V/us	pcs	
800	290	75	101	32	60	1500	1.7	45	5.6	10.5	12	FDC2NK297310FP6D
800	400	75	126	32	58	1560	2.2	50	4.7	3.9	12	FDC2NK407312FP6D
800	480	75	146	32	55	1560	2.5	55	4.6	3.3	12	FDC2NK487314FP6D
800	480	75	161	32	70	1560	1.6	40	4.3	3.3	12	FDC2NK487316FP6D
800	560	75	180	32	70	3000	1.7	45	4.2	5.4	12	FDC2NK567318FP6D
800	520	86	126	32	64	2000	1.8	50	4.7	3.8	8	FDC2NK527512FP6D
800	580	86	142	32	61	2000	2.0	55	4.6	3.4	8	FDC2NK587514FP6D
800	630	86	146	32	60	2000	2.1	55	4.6	3.2	8	FDC2NK637514FP6D
800	650	86	161	32	70	3000	1.5	40	4.4	4.6	8	FDC2NK657516FP6D
800	750	86	180	32	70	4000	1.6	45	4.3	5.3	8	FDC2NK757518FP6D
800	1100	86	260	32	70	4000	1.2	55	3.0	3.6	8	FDC2NK118526FP6D
800	500	96	101	50	67	2620	1.4	45	4.7	5.2	8	FDC2NK507610FR6D
800	700	96	126	50	67	2700	1.6	50	4.1	3.9	6	FDC2NK707612FR6D
800	800	96	141	50	66	2700	1.8	55	3.9	3.4	6	FDC2NK807614FR6D
800	850	96	146	50	66	2700	1.8	55	3.8	3.2	6	FDC2NK857614FR6D
800	900	96	161	50	70	5400	1.1	40	3.5	6.0	6	FDC2NK907616FR6D
800	1000	96	180	50	70	5300	1.1	45	3.2	5.3	6	FDC2NK108618FR6D
800	720	116	101	50	80	3800	0.8	45	5.4	5.3	5	FDC2NK727910FR6D
800	1000	116	126	50	79	4000	1.1	60	5.0	7.0	5	FDC2NK108912FR6D
800	1200	116	146	50	77	4000	1.2	55	4.9	3.3	5	FDC2NK128914FR6D
800	1200	116	161	50	100	7500	0.9	40	3.6	6.3	5	FDC2NK128916FR6D
800	1500	116	180	50	100	8000	1.0	45	3.4	5.3	5	FDC2NK158918FR6D
800	1800	116	230	50	100	11000	0.8	50	2.7	6.1	5	FDC2NK188923FR6D
800	3200	136	270	50	100	15000	0.8	60	2.0	4.7	2	FDC2NK328027FR6D
900	290	75	101	32	55	1530	2.0	45	5.6	5.3	12	FDC2QK297310FP6D
900	400	75	126	32	53	1560	2.6	50	4.7	3.9	12	FDC2QK407312FP6D
900	480	75	146	32	51	1540	2.9	55	4.6	3.2	12	FDC2QK487314FP6D
900	480	75	161	32	69	2920	1.7	40	4.3	6.1	12	FDC2QK487316FP6D
900	560	75	180	32	68	2960	1.8	45	4.2	5.3	12	FDC2QK567318FP6D
900	380	86	101	32	65	2000	1.6	45	5.1	5.3	8	FDC2QK387510FP6D
900	520	86	126	32	59	2000	2.1	50	4.7	3.8	8	FDC2QK527512FP6D
900	580	86	142	32	58	2000	2.2	55	4.6	3.4	8	FDC2QK587514FP6D
900	630	86	146	32	55	2030	2.4	55	4.6	3.2	8	FDC2QK637514FP6D
900	650	86	161	32	70	3950	1.5	40	4.4	6.1	8	FDC2QK657516FP6D
900	750	86	180	32	70	3950	1.6	45	4.3	5.3	8	FDC2QK757518FP6D
900	1100	86	260	32	70	5800	1.3	55	3.0	5.3	8	FDC2QK118526FP6D
900	500	96	101	50	67	2620	1.4	45	4.7	5.2	6	FDC2QK507610FR6D
900	700	96	126	50	67	2700	1.6	50	4.1	3.9	6	FDC2QK707612FR6D
900	800	96	141	50	66	2700	1.8	55	3.9	3.4	6	FDC2QK807614FR6D
900	850	96	146	50	66	2700	1.8	55	3.8	3.2	6	FDC2QK857614FR6D
900	900	96	161	50	70	5400	1.1	45	3.5	6.0	6	FDC2QK907616FR6D
900	1000	96	180	50	70	5230	1.1	45	3.2	5.2	6	FDC2QK108618FR6D
900	720	116	101	50	80	3800	1.1	45	5.4	5.3	5	FDC2QK727910FR6D
900	1200	116	146	50	71	3860	1.4	55	4.9	3.2	5	FDC2QK128914FR6D
900	1200	116	161	50	100	7280	0.9	40	3.6	6.1	5	FDC2QK128916FR6D
900	1500	116	180	50	60	12000	2.0	65	4.8	8.0	5	FDC2QK158918FR6D
900	1800	116	230	50	100	14400	0.8	60	2.4	8.0	5	FDC2QK188923FR6D
900	3200	136	270	50	100	15000	0.8	60	2.0	4.7	2	FDC2QK328027FR6D

Rating and Part Number

Vdc	Cap Value	Dimensions			Irms	Peak Current	ESR	ESL	Thermal Res	dv/dt	Pkg Qty	Part Number
		D	H1	P	10KHz		1KHz					
	μF	mm	mm	mm	A (50°C)	A	mΩ	nH	°C/W	V/us	pcs	
1000	220	75	101	32	53	1500	2.2	45	5.6	6.8	12	FDC3KK227310FP6D
1000	300	75	126	32	50	1500	2.9	50	4.7	5.0	12	FDC3KK307312FP6D
1000	360	75	146	32	48	1500	3.3	55	4.6	4.2	12	FDC3KK367314FP6D
1000	360	75	161	32	65	2750	1.9	40	4.3	7.6	12	FDC3KK367316FP6D
1000	420	75	180	32	64	2750	2.0	45	4.2	6.5	12	FDC3KK427318FP6D
1000	290	86	101	32	61	1920	1.8	45	5.1	6.6	8	FDC3KK297510FP6D
1000	400	86	126	32	56	1950	2.3	50	4.7	4.9	8	FDC3KK407512FP6D
1000	470	86	141	32	58	2000	2.2	55	4.6	4.3	8	FDC3KK477514FP6D
1000	480	86	146	32	54	2000	2.6	55	4.6	4.2	8	FDC3KK487514FP6D
1000	500	86	161	32	70	3800	1.6	40	4.4	7.6	8	FDC3KK507516FP6D
1000	560	86	180	32	69	3800	1.7	45	4.3	6.8	8	FDC3KK567518FP6D
1000	900	86	260	32	75	5960	1.3	55	3.0	6.6	8	FDC3KK907526FP6D
1000	380	96	101	50	65	2500	1.5	45	4.7	6.6	6	FDC3KK387610FR6D
1000	500	96	126	50	64	2400	1.8	50	4.1	4.8	6	FDC3KK507612FR6D
1000	600	96	141	50	63	2500	1.9	55	3.9	4.2	6	FDC3KK607614FR6D
1000	650	96	146	50	64	2590	1.9	55	3.8	4.0	6	FDC3KK657614FR6D
1000	650	96	161	50	70	4800	1.1	40	3.5	7.4	6	FDC3KK657616FR6D
1000	780	96	180	50	70	5100	1.1	45	3.2	6.5	6	FDC3KK787618FR6D
1000	540	116	101	50	80	3600	1.0	45	5.4	6.7	5	FDC3KK547910FR6D
1000	740	116	126	50	70	3600	1.4	50	5.0	4.9	5	FDC3KK747912FR6D
1000	900	116	146	50	69	6800	1.5	55	4.9	7.6	5	FDC3KK907914FR6D
1000	1100	116	180	50	92	7280	1.2	45	3.4	6.6	5	FDC3KK118918FR6D
1000	1600	116	230	50	100	8000	1.5	75	2.1	5.0	5	FDC3KK168923FR6D
1000	2500	136	270	50	100	14500	0.9	60	2.0	5.8	2	FDC3KK258027FR6D
1100	170	75	101	32	50	1700	3.2	60	3.8	10.0	12	FDC3MK177310FP6D
1100	250	75	126	32	49	1430	3.0	50	4.7	5.7	12	FDC3MK257312FP6D
1100	300	75	146	32	46	1430	3.5	55	4.6	4.8	12	FDC3MK307314FP6D
1100	310	75	161	32	65	2780	1.9	40	4.3	9.0	12	FDC3MK317316FP6D
1100	360	75	180	32	64	2800	2.0	45	4.2	7.8	12	FDC3MK367318FP6D
1100	240	86	101	32	60	1880	1.9	45	5.1	7.8	8	FDC3MK247510FP6D
1100	330	86	126	32	55	1890	2.4	50	4.7	5.7	8	FDC3MK337512FP6D
1100	420	86	142	32	57	2100	2.3	55	4.6	5.0	8	FDC3MK427514FP6D
1100	420	86	161	32	63	3800	1.7	40	4.4	9.0	8	FDC3MK427516FP6D
1100	500	86	180	32	67	3800	1.8	45	4.3	7.6	8	FDC3MK507518FP6D
1100	750	86	260	32	70	5800	1.3	55	3.0	7.7	8	FDC3MK757526FP6D
1100	330	96	101	50	65	2600	1.5	45	4.7	7.9	8	FDC3MK337610FR6D
1100	440	96	126	50	63	2500	1.8	50	4.1	5.7	8	FDC3MK447612FR6D
1100	510	96	141	50	62	2500	2.0	55	3.9	4.9	8	FDC3MK517614FR6D
1100	540	96	146	50	62	2500	2.1	55	3.8	4.6	8	FDC3MK547614FR6D
1100	560	96	161	50	70	5000	1.1	40	3.5	8.9	8	FDC3MK567616FR6D
1100	650	96	180	50	70	5000	1.2	45	3.2	7.7	8	FDC3MK657618FR6D
1100	450	116	101	50	80	3500	1.0	45	5.4	7.8	5	FDC3MK457910FR6D
1100	620	116	126	50	70	3500	1.4	50	5.0	5.6	5	FDC3MK627912FR6D
1100	750	116	146	50	66	3500	1.6	55	4.9	4.7	5	FDC3MK757914FR6D
1100	780	116	161	50	100	7000	0.9	40	3.6	9.0	5	FDC3MK787916FR6D
1100	920	116	180	50	96	7200	1.1	45	3.4	7.8	5	FDC3MK927918FR6D
1100	1200	116	230	50	100	11000	0.9	50	2.7	9.2	5	FDC3MK128923FR6D
1100	2200	136	270	50	100	15000	0.9	60	2.0	6.8	2	FDC3MK228027FR6D

Rating and Part Number

Vdc	Cap Value	Dimensions			Irms	Peak	ESR	ESL	Thermal	dv/dt	Pkg Qty	Part Number
		D	H1	P	10KHz	Current	1KHz		Res			
	μF	mm	mm	mm	A (50°C)	A	mΩ	nH	°C/W	V/us	pcs	
1200	140	75	101	32	48	1350	2.7	45	5.6	6.8	12	FDC3BK147310FP6D
1200	200	75	126	32	47	1400	3.4	50	4.7	7.0	12	FDC3BK207312FP6D
1200	240	75	146	32	44	1400	3.9	55	4.6	5.8	12	FDC3BK247314FP6D
1200	240	75	161	32	63	2600	2.0	40	4.3	10.8	12	FDC3BK247316FP6D
1200	280	75	180	32	62	2700	2.1	45	4.2	9.6	12	FDC3BK287318FP6D
1200	190	86	101	32	57	1800	2.1	45	5.1	9.5	8	FDC3BK197510FP6D
1200	260	86	126	32	52	1800	2.7	50	4.7	6.9	8	FDC3BK267512FP6D
1200	320	86	142	32	55	1900	2.5	55	4.6	5.9	8	FDC3BK327514FP6D
1200	330	86	146	32	50	1900	3.0	55	4.6	5.8	8	FDC3BK337514FP6D
1200	330	86	161	32	66	3600	1.8	40	4.4	10.9	8	FDC3BK337516FP6D
1200	380	86	180	32	65	3600	1.9	45	4.3	9.5	8	FDC3BK387518FP6D
1200	580	86	260	32	75	5500	1.5	55	3.0	9.5	8	FDC3BK587526FP6D
1200	250	96	101	50	61	2300	1.7	45	4.7	9.2	6	FDC3BK257610FR6D
1200	350	96	126	50	61	2400	2.0	50	4.1	6.9	6	FDC3BK357612FR6D
1200	400	96	141	50	59	2400	2.2	55	3.9	6.0	6	FDC3BK407614FR6D
1200	420	96	146	50	59	2400	2.2	55	3.8	5.7	6	FDC3BK427614FR6D
1200	450	96	161	50	70	4800	1.2	40	3.5	10.7	6	FDC3BK457616FR6D
1200	500	96	180	50	70	4600	1.2	45	3.2	9.2	6	FDC3BK507618FR6D
1200	360	116	101	50	76	3400	1.1	45	5.4	9.4	5	FDC3BK367910FR6D
1200	500	116	126	50	66	3500	1.6	50	5.0	7.0	5	FDC3BK507912FR6D
1200	600	116	146	50	62	3500	1.8	55	4.9	5.8	5	FDC3BK607914FR6D
1200	620	116	161	50	98	6800	1.0	40	3.6	11.0	5	FDC3BK627916FR6D
1200	720	116	180	50	92	6800	1.2	45	3.4	9.4	5	FDC3BK727918FR6D
1200	950	116	230	50	100	10000	0.9	50	2.7	10.5	5	FDC3BK957923FR6D
1200	1700	136	270	50	100	13900	0.9	60	2.0	8.2	2	FDC3BK178027FR6D
1300	120	75	101	32	46	1300	2.9	45	5.6	10.8	12	FDC3SK127310FP6D
1300	170	75	126	32	44	1350	3.7	50	4.7	7.9	12	FDC3SK177312FP6D
1300	210	75	146	32	43	1400	4.1	55	4.6	6.7	12	FDC3SK217314FP6D
1300	210	75	161	32	62	2650	2.1	40	4.3	12.6	12	FDC3SK217316FP6D
1300	240	75	180	32	60	2600	2.3	45	4.2	10.8	12	FDC3SK247318FP6D
1300	170	86	101	32	55	1850	2.2	45	5.1	10.9	8	FDC3SK177510FP6D
1300	230	86	126	32	51	1850	2.8	50	4.7	8.0	8	FDC3SK237512FP6D
1300	270	86	142	32	52	1800	2.8	55	4.6	6.7	8	FDC3SK277514FP6D
1300	270	86	146	32	48	1800	3.3	55	4.6	6.7	8	FDC3SK277514FP6D
1300	280	86	161	32	66	3500	1.8	40	4.4	12.5	8	FDC3SK287516FP6D
1300	320	86	180	32	65	3500	1.9	45	4.3	10.9	8	FDC3SK327518FP6D
1300	520	86	260	32	70	5600	1.5	55	3.0	10.8	8	FDC3SK527526FP6D
1300	210	96	101	50	60	2300	1.8	45	4.7	11.0	6	FDC3SK217610FR6D
1300	280	96	126	50	58	2300	2.1	50	4.1	8.2	6	FDC3SK287612FR6D
1300	330	96	141	50	57	2300	2.3	55	3.9	7.0	6	FDC3SK337614FR6D
1300	360	96	146	50	58	2400	2.3	55	3.8	6.7	6	FDC3SK367614FR6D
1300	380	96	161	50	70	4700	1.2	40	3.5	12.4	6	FDC3SK387616FR6D
1300	420	96	180	50	70	4500	1.3	45	3.2	10.7	6	FDC3SK427618FR6D
1300	320	116	101	50	73	3500	1.2	45	5.4	10.9	5	FDC3SK327910FR6D
1300	430	116	126	50	66	3400	1.6	50	5.0	7.9	5	FDC3SK437912FR6D
1300	520	116	146	50	62	3400	1.8	55	4.9	6.5	5	FDC3SK527914FR6D
1300	540	116	161	50	98	6800	1.0	40	3.6	12.6	5	FDC3SK547916FR6D
1300	630	116	180	50	92	6800	1.2	45	3.4	10.8	5	FDC3SK637918FR6D

Rating and Part Number

Vdc	Cap Value	Dimensions			Irms	Peak Current	ESR	ESL	Thermal Res	dv/dt	Pkg Qty	Part Number
		D	H1	P	10KHz		1KHz					
	μF	mm	mm	mm	A (50°C)	A	mΩ	nH	°C/W	V/us	pcs	
1300	820	116	230	50	100	10000	0.9	50	2.7	12.2	5	FDC3SK827923FR6D
1300	1500	136	270	50	100	14000	1.0	60	2.0	9.3	2	FDC3SK158027FR6D
1400	100	75	101	32	44	1250	3.1	45	5.6	12.5	12	FDC3TK107310FP6D
1400	140	75	126	32	43	1300	4.0	50	4.7	9.3	12	FDC3TK147312FP6D
1400	170	75	146	32	40	1300	4.6	55	4.6	7.6	12	FDC3TK177314FP6D
1400	170	75	161	32	59	2500	2.3	40	4.3	14.7	12	FDC3TK177316FP6D
1400	200	75	180	32	58	2500	2.4	45	4.2	12.5	12	FDC3TK207318FP6D
1400	140	86	101	32	53	1800	2.4	45	5.1	12.9	8	FDC3TK147510FP6D
1400	190	86	126	32	49	1800	3.1	50	4.7	9.5	8	FDC3TK197512FP6D
1400	230	86	142	32	51	1800	2.9	55	4.6	7.8	8	FDC3TK237514FP6D
1400	240	86	161	32	64	3500	1.9	40	4.4	14.6	8	FDC3TK247516FP6D
1400	270	86	180	32	62	3400	2.1	45	4.3	12.6	8	FDC3TK277518FP6D
1400	420	86	260	32	70	5200	1.5	55	3.0	12.4	8	FDC3TK427526FP6D
1400	180	96	101	50	59	2250	1.8	45	4.7	12.5	6	FDC3TK187610FR6D
1400	250	96	126	50	58	2300	2.2	50	4.1	9.2	6	FDC3TK257612FR6D
1400	290	96	141	50	57	2300	2.4	55	3.9	7.9	6	FDC3TK297614FR6D
1400	320	96	161	50	70	4600	1.2	40	3.5	14.4	6	FDC3TK327616FR6D
1400	360	96	180	50	70	4500	1.3	45	3.2	12.5	6	FDC3TK367618FR6D
1400	260	116	101	50	70	3200	1.3	45	5.4	12.3	5	FDC3TK267910FR6D
1400	360	116	126	50	62	3200	1.8	50	5.0	8.9	5	FDC3TK367912FR6D
1400	450	116	146	50	59	3400	2.0	55	4.9	7.6	5	FDC3TK457914FR6D
1400	460	116	161	50	94	6500	1.1	40	3.6	14.1	5	FDC3TK467916FR6D
1400	540	116	180	50	79	6700	1.3	45	3.4	12.4	5	FDC3TK547918FR6D
1400	700	116	230	50	94	9900	0.9	50	2.7	14.1	5	FDC3TK707923FR6D
1400	1300	116	270	50	100	14000	1.0	60	2.0	10.8	5	FDC3TK138927FR6D
1500	90	75	101	32	43	1200	3.3	45	5.6	13.3	12	FDC3UK906310FP6D
1500	120	75	126	32	41	1200	4.4	50	4.7	10.0	12	FDC3UK127312FP6D
1500	150	75	146	32	39	1200	4.9	55	4.6	8.0	12	FDC3UK157314FP6D
1500	150	75	161	32	58	2300	2.4	40	4.3	15.3	12	FDC3UK157316FP6D
1500	170	75	180	32	57	2300	2.5	45	4.2	13.5	12	FDC3UK177318FP6D
1500	120	86	101	32	51	1600	2.6	45	5.1	13.3	8	FDC3UK127510FP6D
1500	170	86	126	32	47	1600	3.3	50	4.7	9.4	8	FDC3UK177512FP6D
1500	200	86	142	32	50	1700	3.0	55	4.6	8.5	8	FDC3UK207514FP6D
1500	210	86	161	32	63	3300	2.0	40	4.4	15.7	8	FDC3UK217516FP6D
1500	240	86	180	32	62	3300	2.1	45	4.3	13.8	8	FDC3UK247518FP6D
1500	380	86	260	32	70	5000	1.5	55	3.0	13.2	8	FDC3UK387526FP6D
1500	160	96	101	50	58	2150	1.9	45	4.7	13.4	6	FDC3UK167610FR6D
1500	210	96	126	50	56	2100	2.3	50	4.1	10.0	6	FDC3UK217612FR6D
1500	250	96	141	50	55	2100	2.5	55	3.9	8.4	6	FDC3UK257614FR6D
1500	270	96	161	50	70	4300	1.3	40	3.5	15.9	6	FDC3UK277616FR6D
1500	320	96	180	50	70	4300	1.3	45	3.2	13.4	6	FDC3UK327618FR6D
1500	230	116	101	50	68	3100	1.4	45	5.4	13.5	5	FDC3UK237910FR6D
1500	320	116	126	50	60	3100	1.9	50	5.0	9.7	5	FDC3UK327912FR6D
1500	390	116	146	50	58	3200	2.1	55	4.9	8.2	5	FDC3UK397914FR6D
1500	420	116	161	50	94	6500	1.1	40	3.6	15.5	5	FDC3UK427916FR6D
1500	470	116	180	50	79	6300	1.3	45	3.4	13.4	5	FDC3UK477918FR6D
1500	600	116	230	50	89	9200	1.0	50	2.7	15.3	5	FDC3UK607923FR6D
1500	1100	136	270	50	100	12800	1.1	60	2.0	11.6	2	FDC3UK118027FR6D

Rating and Part Number

Vdc	Cap Value μF	Dimensions D mm	H1 mm	P mm	Irms 10KHz A (50°C)	Peak Current A	ESR 1KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Pkg Qty pcs	Part Number
2000	110	86	146	32	42	1800	3.5	60	4.5	16.4	8	FDC3DK117514FP6D
2000	200	86	230	32	69	3600	1.8	60	3.2	18.0	8	FDC3DK207523FP6D
2000	200	116	126	50	61	3600	2.1	60	3.5	18.0	5	FDC3DK207912FR6D
2000	220	116	146	50	60	3600	2.3	65	3.3	16.4	5	FDC3DK227914FR6D
2000	280	116	180	50	93	7400	1.1	55	2.9	26.4	5	FDC3DK287918FR6D
2000	400	116	230	50	93	7400	1.3	60	2.4	18.5	5	FDC3DK407923FR6D
2000	250	136	126	50	67	5000	1.8	60	2.9	20.0	2	FDC3DK257012FR6D
2000	320	136	146	50	66	5000	2.0	65	2.7	15.6	2	FDC3DK327014FR6D
2000	360	136	180	50	99	10000	1.0	55	2.4	27.8	2	FDC3DK367018FR6D
2000	500	136	230	50	98	10000	1.2	60	2.1	20.0	2	FDC3DK507023FR6D
2000	620	136	270	50	98	10000	1.3	60	1.9	16.1	2	FDC3DK627027FR6D
2200	100	86	146	32	41	1800	3.7	65	4.5	18.0	8	FDC3CK107514FP6D
2200	150	86	230	32	68	3600	1.9	60	3.2	24.0	8	FDC3CK157523FP6D
2200	150	116	126	50	59	3400	2.2	60	3.5	22.7	5	FDC3CK157912FR6D
2200	180	116	146	50	58	3400	2.5	65	3.3	18.9	5	FDC3CK187914FR6D
2200	220	116	180	50	91	7200	1.1	55	2.9	32.7	5	FDC3CK227918FR6D
2200	300	116	230	50	91	7100	1.4	60	2.4	23.7	5	FDC3CK307923FR6D
2200	220	136	126	50	66	4800	1.9	60	2.9	21.8	2	FDC3CK227012FR6D
2200	250	136	146	50	65	5000	2.1	65	2.7	20.0	2	FDC3CK257014FR6D
2200	300	136	180	50	97	9800	1.0	55	2.4	32.7	2	FDC3CK307018FR6D
2200	420	136	230	50	96	9800	1.2	60	2.1	23.3	2	FDC3CK427023FR6D
2200	500	136	270	50	97	10000	1.4	60	1.9	20.0	2	FDC3CK507027FR6D
2400	75	86	146	32	40	1800	3.9	65	4.5	24.0	8	FDC4AK756514FP6D
2400	120	86	230	32	65	3500	2.0	60	3.2	29.2	8	FDC4AK127523FP6D
2400	120	116	126	50	58	3500	2.3	60	3.5	29.2	5	FDC4AK127912FR6D
2400	140	116	146	50	56	3300	2.6	65	3.3	23.6	5	FDC4AK147914FR6D
2400	170	116	180	50	89	6800	1.2	55	2.9	40.0	5	FDC4AK177918FR6D
2400	240	116	230	50	89	6900	1.4	60	2.4	28.8	5	FDC4AK247923FR6D
2400	160	136	126	50	63	4600	2.0	60	2.9	28.8	2	FDC4AK167012FR6D
2400	200	136	146	50	63	4700	2.2	65	2.7	23.5	2	FDC4AK207014FR6D
2400	240	136	180	50	95	9600	1.1	55	2.4	40.0	2	FDC4AK247018FR6D
2400	330	136	230	50	94	9600	1.3	60	2.1	29.1	2	FDC4AK337023FR6D
2400	410	136	270	50	95	9600	1.4	60	1.9	23.4	2	FDC4AK417027FR6D
2600	63	86	146	32	38	1700	4.1	65	4.5	27.0	8	FDC4BK636514FP6D
2600	100	86	230	32	63	3400	2.1	60	3.2	34.0	8	FDC4BK107523FP6D
2600	100	116	126	50	57	3400	2.4	60	3.6	34.0	5	FDC4BK107912FR6D
2600	120	116	146	50	55	3300	2.7	65	3.3	27.5	5	FDC4BK127914FR6D
2600	140	116	180	50	87	6600	1.2	55	2.9	47.1	5	FDC4BK147918FR6D
2600	200	116	230	50	87	6700	1.5	60	2.5	33.5	5	FDC4BK207923FR6D
2600	140	136	126	50	63	4700	2.0	60	3.0	33.6	2	FDC4BK147012FR6D
2600	170	136	146	50	62	4700	2.3	65	2.8	27.6	2	FDC4BK177014FR6D
2600	200	136	180	50	94	9400	1.1	55	2.5	47.0	2	FDC4BK207018FR6D
2600	280	136	230	50	93	9600	1.3	60	2.1	34.3	2	FDC4BK287023FR6D
2600	340	136	270	50	92	9400	1.5	60	1.9	27.6	2	FDC4BK347027FR6D
2800	54	86	146	32	37	1700	4.3	65	4.5	31.5	8	FDC4CK546514FP6D
2800	88	86	230	32	62	3400	2.2	60	3.2	38.6	8	FDC4CK886523FP6D
2800	88	116	126	50	56	3300	2.5	60	3.6	37.5	5	FDC4CK886912FR6D
2800	100	116	146	50	53	3200	2.9	65	3.4	32.0	5	FDC4CK107914FR6D

Rating and Part Number

Vdc	Cap Value	Dimensions			Irms 10KHz	Peak Current	ESR 1KHz	ESL	Thermal Res	dv/dt	Pkg Qty	Part Number
	μF	D	H1	P								
		mm	mm	mm	A (50°C)	A	mΩ	nH	°C/W	V/us	pcs	
2800	120	116	180	50	85	6500	1.3	55	2.9	54.2	5	FDC4CK127918FR6D
2800	180	116	230	50	85	6600	1.5	60	2.5	36.7	5	FDC4CK187923FR6D
2800	120	136	126	50	62	4700	2.1	60	3.0	39.2	2	FDC4CK127012FR6D
2800	140	136	146	50	59	4400	2.4	65	2.8	31.4	2	FDC4CK147014FR6D
2800	170	136	180	50	92	9200	1.1	55	2.5	54.1	2	FDC4CK177018FR6D
2800	240	136	230	50	92	9300	1.3	60	2.1	38.8	2	FDC4CK247023FR6D
2800	290	136	270	50	91	9200	1.5	60	1.9	31.7	2	FDC4CK297027FR6D
3000	46	86	146	32	36	1600	4.6	65	4.6	34.8	8	FDC3FK466514FP6D
3000	75	86	230	32	61	3100	2.3	60	3.2	41.3	8	FDC3FK756523FP6D
3000	75	116	126	50	54	3100	2.6	60	3.6	41.3	5	FDC3FK756912FR6D
3000	90	116	146	50	53	3100	2.9	65	3.3	34.4	5	FDC3FK906914FR6D
3000	100	116	180	50	83	5800	1.3	55	3.0	58.0	5	FDC3FK107918FR6D
3000	140	116	230	50	82	5800	1.6	60	2.5	41.4	5	FDC3FK147923FR6D
3000	100	136	126	50	60	4200	2.2	60	3.0	42.0	2	FDC3FK107012FR6D
3000	120	136	146	50	58	4100	2.5	65	2.8	34.2	2	FDC3FK127014FR6D
3000	140	136	180	50	89	8200	1.2	55	2.5	58.6	2	FDC3FK147018FR6D
3000	200	136	230	50	89	8400	1.4	60	2.2	42.0	2	FDC3FK207023FR6D
3000	250	136	270	50	89	8600	1.6	60	1.9	34.4	2	FDC3FK257027FR6D
3200	40	86	146	32	35	1500	4.9	65	4.6	37.5	8	FDC4DK406514FP6D
3200	65	86	230	32	59	2900	2.4	60	3.2	44.6	8	FDC4DK656523FP6D
3200	65	116	126	50	53	2900	2.7	60	3.6	44.6	5	FDC4DK656912FR6D
3200	80	116	146	50	52	2900	3.1	65	3.4	36.3	5	FDC4DK806914FR6D
3200	92	116	180	50	83	5700	1.3	55	3.0	62.0	5	FDC4DK926918FR6D
3200	120	116	230	50	80	5400	1.7	60	2.5	45.0	5	FDC4DK127923FR6D
3200	90	136	126	50	59	4000	2.2	60	3.0	44.4	2	FDC4DK906012FR6D
3200	110	136	146	50	58	4000	2.5	65	2.8	36.4	2	FDC4DK117014FR6D
3200	120	136	180	50	87	7500	1.2	55	2.6	62.5	2	FDC4DK127018FR6D
3200	180	136	230	50	89	8100	1.4	60	2.2	45.0	2	FDC4DK187023FR6D
3200	220	136	270	50	88	8100	1.6	60	1.9	36.8	2	FDC4DK227027FR6D
3600	32	86	146	32	38	1600	4.0	65	4.6	50.0	8	FDC4EK326514FP6D
3600	45	86	230	32	64	3300	2.0	60	3.3	73.3	8	FDC4EK456523FP6D
3600	44	116	126	50	57	3200	2.3	60	3.7	72.7	5	FDC4EK446912FR6D
3600	54	116	146	50	55	3200	2.7	65	3.4	59.3	5	FDC4EK546914FR6D
3600	88	116	230	50	87	6400	1.4	60	2.5	72.7	5	FDC4EK886923FR6D
3600	110	116	270	50	85	6500	1.6	60	2.3	59.1	5	FDC4EK117927FR6D
3600	61	136	126	50	63	4500	2.0	60	3.0	73.8	2	FDC4EK616012FR6D
3600	75	136	146	50	61	4400	2.3	65	2.8	58.7	2	FDC4EK756014FR6D
3600	120	136	230	50	92	8800	1.3	60	2.2	73.3	2	FDC4EK127023FR6D
3600	150	136	270	50	92	8800	1.5	60	2.0	58.7	2	FDC4EK157027FR6D
4000	24	86	146	32	37	1650	4.2	65	4.6	68.8	8	FDC3GK246514FP6D
4000	38	86	230	32	62	3200	2.1	60	3.3	84.2	8	FDC3GK386523FP6D
4000	37	116	126	50	55	3100	2.4	60	3.7	83.8	5	FDC3GK376912FR6D
4000	46	116	146	50	54	3100	2.8	65	3.4	67.4	5	FDC3GK466914FR6D
4000	74	116	230	50	85	6300	1.5	60	2.5	85.1	5	FDC3GK746923FR6D
4000	92	116	270	50	83	6300	1.7	60	2.3	68.5	5	FDC3GK926927FR6D
4000	52	136	126	50	62	4400	2.1	60	3.0	84.6	2	FDC3GK526012FR6D
4000	64	136	146	50	60	4400	2.3	65	2.8	68.8	2	FDC3GK646014FR6D
4000	100	136	230	50	90	8500	1.3	60	2.2	85.0	2	FDC3GK107023FR6D

Rating and Part Number

Vdc	Cap Value μF	Dimensions D mm	H1 mm	P mm	Irms 10KHz A (50°C)	Peak Current A	ESR 1KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Pkg Qty pcs	Part Number
4000	130	136	270	50	91	8900	1.5	60	2.0	68.5	2	FDC3GK137027FR6D

Note:

Part Nmber 13th digit (Terminal code) : F means Female terminals (M6), M means Male terminals (M8)

料号第 13 码 (引出端代码): F 代表螺孔式(M6)，M 代表螺栓式(M8)

Packaging Information

Capacitors are well protected by foams. And then are packaged in the cartons.

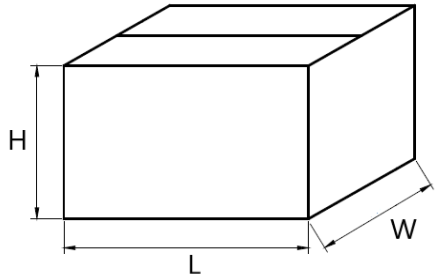


Table 1 carton dimensions

Carton No.	L (mm)	W (mm)	H (mm)
1	375	285	235
2	375	285	300
3	375	285	330
4	375	285	365
5	375	285	265

According to the capacitor's diameter, every carton contains capacitors as per the following Table 2.

Table 2 Capacitor quantity of each carton

Capacitor Diameter (mm)	Quantity (pcs)
75	12
86	8
96	6
106	5
116	5
136	2

Overview
The FDD capacitor is constructed of metallized polypropylene film in cylindrical plastic case with snap-in pins and filled with epoxy resin.

Applications
Widely used in DC Link, high performance DC filtering, motor drive systems, welder and elevator.

Features
- Self-healing
- High capacitance density
- Low ESR and high ripple current
- Special snap-in pins design to replace electrolytic capacitors

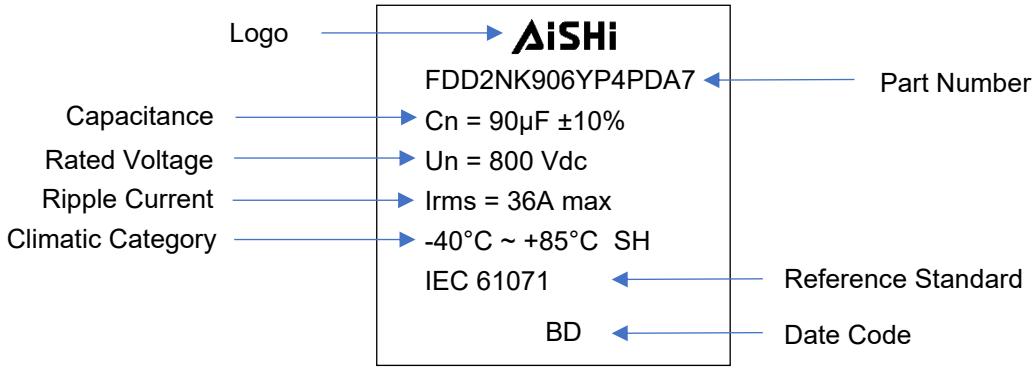
Qualification

Reference Standard	IEC 61071
Climate Category	40/85/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	500Vdc to 1200Vdc
Capacitance Range	8μF to 120μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~ 105°C, decreasing factor 1.25% per °C for rated voltage)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤0.002 (0.2%) at 1KHz; C ≤20μF at 25°C ≤0.003 (0.3%) at 1KHz; C >20μF at 25°C ≤0.004 (0.4%) at 1KHz; C >80μF at 25°C
Insulation Resistance	IR x C ≥ 30,000s at 100VDC 1minute at +25°C

Marking



Part Number System

F	DD	2N	K	906	L63	PDA	7
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Terminal Length Code
F = Film	DC Link, PBT Case Snap-in Type, Metallized PP Film	500=2H 600=2K 700=2M 800=2N 900=2Q 1000=3K 1200=3B 1100=3M	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Bottom Stud Code Table

Size Code Table

Digit One Case Diameter: D ± 1.0		Digit Two and Three Case Height: L ± 1.0	
36.0mm	S	51mm	51
50.0mm	U	54mm	54
56.3mm	L	63mm	63
60.0mm	W	70mm	70
63.5mm	1	80mm	80
65.0mm	2	90mm	90

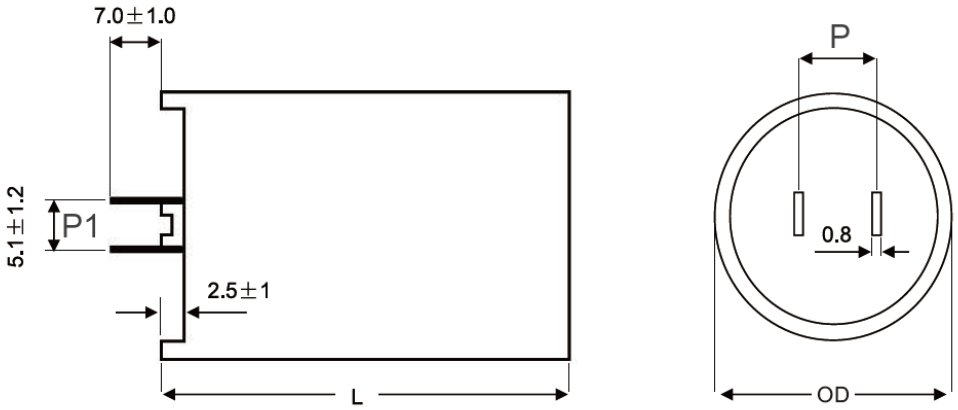
Terminal Code

Digit One Lead/Terminal Type		Digit Two Lead Space: P ± 0.5		Digit Three Lead Ipsilateral: P1 ± 0.5	
Fast On	P	10.0mm	C	5.1mm	A
		12.7mm	D	7.5mm	C
		15.0mm	E	10.2mm	B
		22.5mm	F	12.7mm	G

Lead Length Code

Terminal Length L0 ± 0.5	
5mm	5
6mm	6
7mm	7
10mm	0

Outline Drawing (mm)

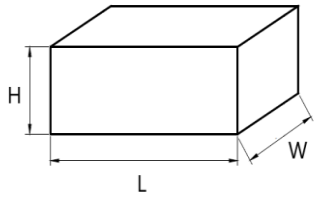


Rating and Part Number

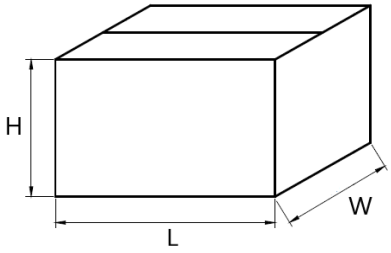
Vdc	Cap Value	Dimensions		P	Irms 100KHz			Peak Current	ESR 100KHZ	ESL	Thermal Res	dv/dt	Part Number
		OD	L										
	μF	mm	mm	mm	25°C A	50°C A	70°C A	A	mΩ	nH	°C/W	V/us	
500	35	36.0	54.0	12.7	22.0	18.5	13.0	1050	8.0	25	8.6	30	FDD2HK356S54PDA7
500	80	50.0	63.0	12.7	30.0	25.5	13.5	2400	6.0	25	8.2	30	FDD2HK806U63PDA7
500	100	50.0	63.0	12.7	35.0	28.0	14.5	3000	5.8	25	7.9	30	FDD2HK107U63PDA7
500	120	56.3	63.0	12.7	38.0	32.0	16.0	3600	4.5	25	7.5	30	FDD2HK127L63PDA7
600	30	36.0	54.0	12.7	22.0	18.0	12.0	900	9.0	25	9.8	30	FDD2KK306S54PDA7
600	80	50.0	63.0	12.7	32.0	25.0	14.0	2400	6.8	25	9.5	30	FDD2KK806U63PDA7
600	100	56.3	63.0	12.7	36.0	30.0	15.5	3000	5.5	25	8.5	30	FDD2KK107L63PDA7
700	20	36.0	54.0	12.7	20.0	16.0	10.0	800	10.0	25	10.8	40	FDD2MK206S54PDA7
700	50	50.0	63.0	12.7	30.0	24.0	12.0	2000	7.0	25	9.4	40	FDD2MK506U63PDA7
700	80	56.3	63.0	12.7	34.0	27.0	14.0	2400	6.0	25	8.0	30	FDD2MK806L63PDA7
800	15	36.0	54.0	12.7	19.0	15.0	10.0	750	10.0	25	10.5	50	FDD2NK156S54PDA7
800	40	50.0	63.0	12.7	28.0	23.0	12.0	2000	7.5	25	9.5	50	FDD2NK406U63PDA7
800	60	50.0	51.0	12.7	33.0	27.0	16.0	3000	4.0	25	6.5	50	FDD2NK606U51PDA7
800	60	50.0	63.0	12.7	33.0	27.0	16.0	3000	4.0	25	6.5	50	FDD2NK606U63PDA7
800	90	56.3	63.0	12.7	36.0	29.0	20.0	4500	3.0	25	5.0	50	FDD2NK906L63PDA7
800	90	63.5	51.0	12.7	36.0	29.0	20.0	4500	3.0	25	5.0	50	FDD2NK906151PDA7
900	14	36.0	54.0	12.7	18.0	15.0	9.5	700	10.5	25	10.5	50	FDD2QK146S54PDA7
900	35	50.0	63.0	12.7	27.0	22.0	11.5	1750	8.0	25	9.5	50	FDD2QK356U63PDA7
900	60	56.3	63.0	12.7	34.0	27.0	14.0	3000	6.0	25	8.0	50	FDD2QK606L63PDA7
1000	10	36.0	54.0	12.7	18.0	14.0	9.0	500	12.0	25	10.5	50	FDD3KK106S54PDA7
1000	25	50.0	63.0	12.7	27.0	22.0	11.5	1250	8.5	25	9.5	50	FDD3KK256U63PDA7
1000	50	56.3	63.0	12.7	32.0	25.0	14.0	2500	6.5	25	8.5	50	FDD3KK506L63PDA7
1200	8	36.0	54.0	12.7	16.0	12.0	8.5	400	13.5	25	10.8	50	FDD3BK805S54PDA7
1200	20	50.0	63.0	12.7	26.0	21.0	11.0	1000	9.0	25	9.5	50	FDD3BK206U63PDA7
1200	30	56.3	63.0	12.7	30.0	24.0	13.0	1500	7.0	25	8.0	50	FDD3BK306L63PDA7

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Size Code	OD	L	Bulk
S54	36.0	54.0	64
U51	50.0	51.0	36
U63	50.0	63.0	36
L63	56.3	63.0	25
151	63.5	51.0	16

Overview

The FDE capacitor is constructed of segmented metallized polypropylene film in customized PPS case, specially treated to have a very high dielectric strength in operating conditions up to 105°C.

Applications

Specially design for DC filtering and DC-Link circuits for EV/HEV.

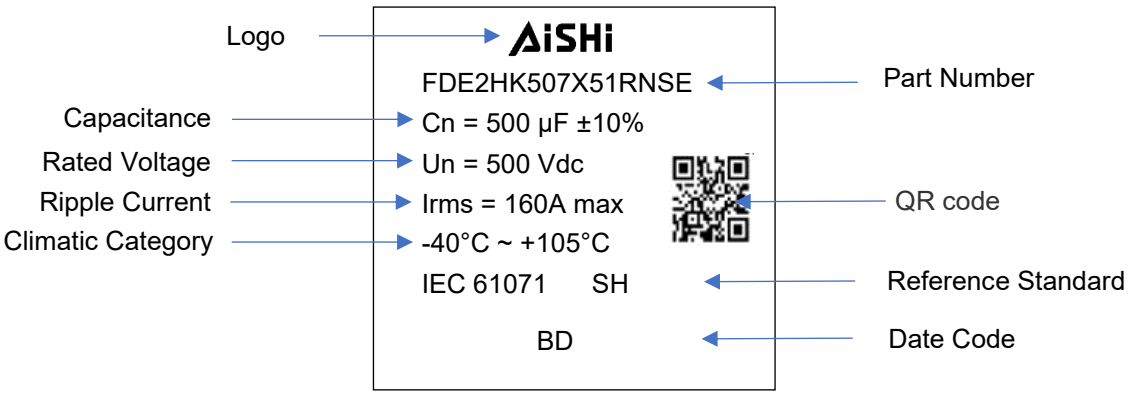
Features

- Low ESR
- Low ESL
- Self-healing technology
- High ripple current
- UL 94 V-0 PPS Plastic Case
- Automotive Grade (AEC-Q200D)
- THB Grade IIIB

Qualification

Reference Standard	IEC 61071, AEC-Q200D
Climate Category	40/105/56 IEC 60068-1

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	DE	2H	K	507	X51	RNS	E
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Case Code	Terminal Code	Internal Code
F = Film	DC Link, Customized PPS Plastic Case, Metallized Segmented PP Film	450=2W 500=2H 550=2J 600=2K 700=2M 800=2N 900=2Q	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Customized Case Code Table	Refer to Terminal Code Table	Internal Code

Customized Case Code Table

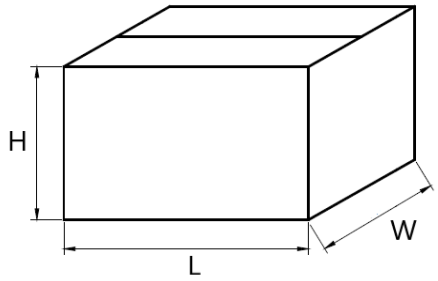
Drawing Code 1	Drawing Code 2	Drawing Code 3
A ~ Z	0 ~ 9	0 ~ 9

Terminal Code

Digit One (Terminal Type)		Digit Two (Terminal Space)		Digit Three (No. of Terminal)	
EV Terminal	R	N/A	N	2	Q
				4	R
				6	S
				8	T
				10	U
				12	V
				14	W
				16	X

Packaging Information

Capacitors are well protected by foams. And then are packaged in the cartons.



Carton dimensions

Carton No.	L (mm)	W (mm)	H (mm)
1	375	285	235
2	375	285	300
3	375	285	330
4	375	285	365
5	375	285	265

According to the capacitor's diameter, every carton contains capacitors as per the following Table 2.

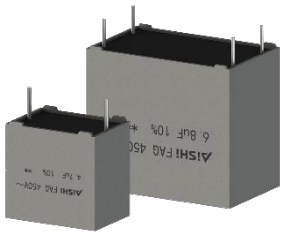
Capacitor quantity of each carton

The total quantity of each carton is depended on the dimension of customized capacitor.

Overview
The FAA capacitor is constructed of metallized polypropylene film encapsulated with epoxy resin in a plastic box, with 2 or 4 tinned copper wire.

Applications
Widely used in Clamping, AC and Harmonic Filtering, UPS Systems, Solar Inverter with LCL Filter and Motor Drive.

Features
- High ripple current
- Self-healing and low loss
- Optimized AC voltage performance
- Suitable for high frequency applications



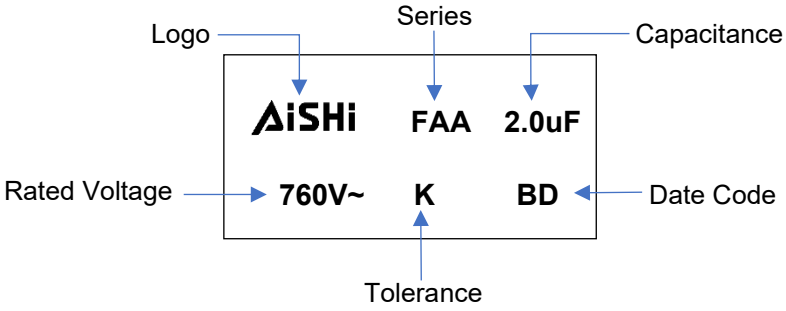
Applicable Standard

Approval	Specification	File Number
c UL us	UL 810	E500537

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	180Vac ~ 760Vac
Capacitance Range	0.1uF ~60uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤ 0.002 (0.20%) at 1 KHz. C≤20uF at +25°C ≤ 0.003 (0.30%) at 1 KHz. C>20uF at +25°C
Insulation Resistance	RC between leads, IR xC≥30,000 s at 100vdc 1minute at +25°C

Marking



Part Number System

F	AA	76	K	205	K42	2KL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	AC Filtering, Metallized PP Film	180=18 250=25 300=30 350=35 400=40 450=45 500=50 600=60 760=76	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

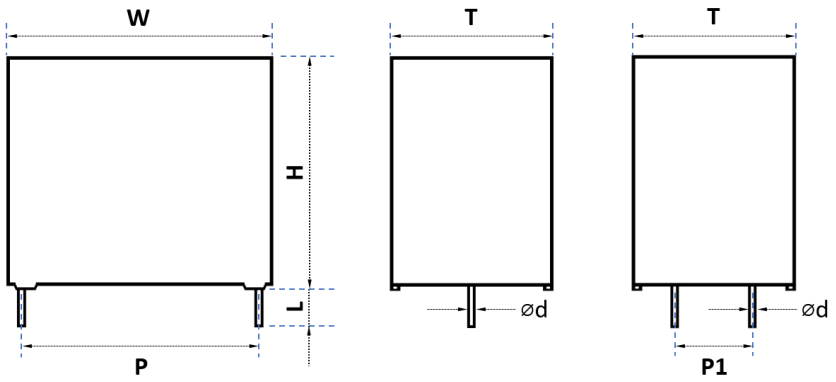
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	27.5mm	G	10.2mm	B
2 leads for straight cut	2	37.5mm	K	12.7mm	G
2 leads for forming cut	E	52.5mm	M	20.3mm	D
4 leads for straight cut	4	N/A	N	N/A	L
6 leads for straight cut	6				

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins **4 pins**

Size Code Table (mm)

Size Code	Dimension						Pitch				Ød		
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	P1	Tolerance	4 Leads	2 Leads	Tolerance
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	\	\	\	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	\	\	\	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G25	32	0.8	24	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	\	\	\	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	10.2	0.5	1.0	0.8	0.05
K14	42	1.0	30	1.0	16	1.0	37.5	0.5	\	\	\	1.0	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	\	\	\	1.0	0.05
K27	42	1.0	37	1.0	22	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K39	42	1.0	43	1.0	28	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K47	42	1.0	50	1.0	35	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
M16	57.5	1.0	45	1.0	30	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M20	57.5	1.0	50	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M32	57.5	1.0	55	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M34	57.5	1.0	65	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M47	57.5	1.0	57.5	1.0	38	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05

Rating and Part Number

Vac	Cap Value	Dimensions					Irms	Peak Current	Surge Current	$ESR_{Typical}$	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1	10KHz			10KHz					
	μF	mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
180	4.0	32	22	13	27.5	\	7.0	300	900	6.8	16	45.0	75	0.8	FAA18K405G212GL5
180	5.0	32	28	18	27.5	\	8.0	375	1125	5.5	18	42.6	75	0.8	FAA18K505G332GL5
180	6.8	32	33	18	27.5	\	11.0	510	1530	4.0	20	31.0	75	0.8	FAA18K685G342GL5
180	10	32	37	22	27.5	\	13.0	750	2250	2.8	22	31.7	75	1.0	FAA18K106G402GL5
180	10	42	32	19	37.5	\	10.0	450	1350	5.0	24	30.0	45	1.0	FAA18K106K212KL5
180	15	42	37	22	37.5	\	14.0	675	2025	3.5	24	21.9	45	1.0	FAA18K156K274KL5
180	18	42	44	24	37.5	\	14.0	810	2430	2.8	24	27.3	45	1.0	FAA18K186K324KL5
180	20	42	44	24	37.5	\	15.0	900	2700	2.5	24	26.7	45	1.0	FAA18K206K322KL5
180	22	42	44	24	37.5	\	15.0	990	2970	2.2	26	30.3	45	1.0	FAA18K226K322KL5
180	25	42	45	30	37.5	\	15.0	1125	3375	2.0	26	33.3	45	1.0	FAA18K256K422KL5
180	30	42	50	35	37.5	20.3	18.0	1350	4050	1.8	28	25.7	45	1.2	FAA18K306K472KL5
180	33	42	50	35	37.5	20.3	18.0	1485	4455	1.6	28	28.9	45	1.2	FAA18K336K472KL5
180	40	57.5	45	30	52.5	20.3	20.0	1000	3000	2.5	30	15.0	25	1.2	FAA18K406M164MD5
180	50	57.5	50	35	52.5	20.3	24.0	1250	3750	2.2	32	11.8	25	1.2	FAA18K506M204MD5
180	60	57.5	57.5	38	52.5	20.3	26.0	1500	4500	1.8	32	12.3	25	1.2	FAA18K606M474MD5
250	1.0	32	18	9	27.5	\	3.0	90	270	16.5	16	101.0	90	0.8	FAA25K105G152GL5
250	1.5	32	20	11	27.5	\	4.0	135	405	10.5	16	89.3	90	0.8	FAA25K155G182GL5
250	2.0	32	22	13	27.5	\	5.0	180	540	8.5	16	70.6	90	0.8	FAA25K205G212GL5
250	2.2	32	22	13	27.5	\	6.0	198	594	7.8	16	53.4	90	0.8	FAA25K225G212GL5
250	2.5	32	22	13	27.5	\	6.0	225	675	7.5	16	55.6	90	0.8	FAA25K255G212GL5
250	3.0	32	24.5	15	27.5	\	7.0	270	810	6.5	16	47.1	90	0.8	FAA25K305G272GL5
250	3.3	32	24.5	15	27.5	\	8.0	297	891	6.2	16	37.8	90	0.8	FAA25K335G272GL5
250	3.5	32	28	14	27.5	\	8.0	315	945	5.8	18	40.4	90	0.8	FAA25K355G262GL5
250	4.0	32	28	18	27.5	\	10.0	360	1080	4.8	20	31.3	90	0.8	FAA25K405G332GL5
250	4.5	32	33	18	27.5	\	10.0	405	1215	4.5	20	33.3	90	0.8	FAA25K455G342GL5
250	5.0	32	33	18	27.5	\	11.0	450	1350	4.0	20	31.0	90	0.8	FAA25K505G342GL5
250	6.8	32	37	22	27.5	\	14.0	612	1836	2.8	22	27.3	90	1.0	FAA25K106G402GL5
250	4.7	42	30	16	37.5	\	7.0	282	846	7.5	24	40.8	60	1.0	FAA25K475K142KL5
250	5.0	42	30	16	37.5	\	8.0	300	900	7.0	24	33.5	60	1.0	FAA25K505K142KL5
250	6.0	42	30	16	37.5	\	9.0	360	1080	6.0	24	30.9	60	1.0	FAA25K605K142KL5
250	6.5	42	30	16	37.5	\	10.0	390	1170	5.6	24	26.8	60	1.0	FAA25K655K142KL5
250	6.8	42	32	19	37.5	\	10.5	408	1224	5.4	24	25.2	60	1.0	FAA25K685K212KL5
250	7.5	42	32	19	37.5	\	11.0	450	1350	5.0	24	24.8	60	1.0	FAA25K755K212KL5
250	8.0	42	37	22	37.5	\	12.0	480	1440	4.5	24	23.1	60	1.0	FAA25K805K274KL5
250	10	42	37	22	37.5	\	13.0	600	1800	3.6	24	24.7	60	1.0	FAA25K106K274KL5
250	12	42	44	24	37.5	\	14.0	720	2160	3.0	24	25.5	60	1.0	FAA25K126K324KL5
250	15	42	44	24	37.5	\	14.0	900	2700	2.5	24	30.6	60	1.0	FAA25K156K322KL5
250	18	42	43	28	37.5	\	15.0	1080	3240	2.2	26	30.3	60	1.0	FAA25K186K392KL5
250	20	42	45	30	37.5	\	15.0	1200	3600	2.0	26	33.3	60	1.0	FAA25K206K422KL5
250	22	42	50	35	37.5	20.3	18.0	1320	3960	1.8	28	25.7	60	1.2	FAA25K226K474KD5
250	25	57.5	45	30	52.5	20.3	18.0	750	2250	3.2	30	14.5	30	1.2	FAA25K256M164MD5
250	30	57.5	45	30	52.5	20.3	20.0	900	2700	2.8	30	13.4	30	1.2	FAA25K306M164MD5
250	35	57.5	50	35	52.5	20.3	24.0	1050	3150	2.4	32	10.9	30	1.2	FAA25K356M204MD5
250	40	57.5	57.5	38	52.5	20.3	26.0	1200	3600	2.0	32	11.1	30	1.2	FAA25K406M474MD5
300	1.0	32	20	11	27.5	\	4.0	90	270	12.5	16	75.0	90	0.8	FAA30K105G182GL5
300	1.5	32	22	13	27.5	\	5.0	135	405	8.5	16	70.6	90	0.8	FAA30K155G212GL5
300	2.0	32	24.5	15	27.5	\	6.0	180	540	7.5	16	55.6	90	0.8	FAA30K205G272GL5
300	2.2	32	24.5	15	27.5	\	7.0	198	594	6.8	16	45.0	90	0.8	FAA30K225G272GL5
300	2.5	32	28	14	27.5	\	8.0	225	675	6.5	18	36.1	90	0.8	FAA30K255G262GL5
300	3.0	32	28	18	27.5	\	9.0	270	810	6.0	20	30.9	90	0.8	FAA30K305G332GL5
300	3.3	32	33	18	27.5	\	10.0	297	891	4.8	20	31.3	90	0.8	FAA30K335G342GL5
300	3.5	32	33	18	27.5	\	10.5	315	945	4.6	20	29.6	90	0.8	FAA30K355G342GL5
300	4.0	32	33	18	27.5	\	11.0	360	1080	4.2	20	29.5	90	0.8	FAA30K405G342GL5
300	4.7	32	37	22	27.5	\	13.0	423	1269	3.8	22	23.4	90	1.0	FAA30K475G402GL5
300	5.0	32	37	22	27.5	\	13.5	450	1350	3.6	22	22.9	90	1.0	FAA30K505G402GL5
300	5.6	32	37	22	27.5	\	14.0	504	1512	3.0	22	25.5	90	1.0	FAA30K565G402GL5

Rating and Part Number

Vac	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
300	3.0	42	30	16	37.5	\	6.0	180	540	9.0	24	46.3	60	1.0	FAA30K305K142KL5
300	3.3	42	30	16	37.5	\	7.0	198	594	8.5	24	36.0	60	1.0	FAA30K335K142KL5
300	3.5	42	30	16	37.5	\	7.0	210	630	8.0	24	38.3	60	1.0	FAA30K355K142KL5
300	4.0	42	30	16	37.5	\	8.0	240	720	6.8	24	34.5	60	1.0	FAA30K405K142KL5
300	4.5	42	30	16	37.5	\	9.0	270	810	6.0	24	30.9	60	1.0	FAA30K455K142KL5
300	4.7	42	30	16	37.5	\	9.0	282	846	5.8	24	31.9	60	1.0	FAA30K475K142KL5
300	5.0	42	32	19	37.5	\	10.0	300	900	5.5	24	27.3	60	1.0	FAA30K505K212KL5
300	6.0	42	32	19	37.5	\	11.0	360	1080	5.0	24	24.8	60	1.0	FAA30K605K212KL5
300	6.8	42	37	22	37.5	\	12.0	408	1224	4.5	24	23.1	60	1.0	FAA30K685K274KL5
300	8.0	42	37	22	37.5	\	13.0	480	1440	3.6	24	24.7	60	1.0	FAA30K805K274KL5
300	10	42	44	24	37.5	\	14.0	600	1800	3.0	24	25.5	60	1.0	FAA30K106K324KL5
300	12	42	43	28	37.5	\	15.0	720	2160	2.4	26	27.8	60	1.0	FAA30K126K392KL5
300	15	42	45	30	37.5	\	15.0	900	2700	2.2	26	30.3	60	1.0	FAA30K156K422KL5
300	18	42	50	35	37.5	20.3	18.0	1080	3240	2.0	28	23.1	60	1.2	FAA30K186K474KD5
300	18	57.5	45	30	52.5	20.3	16.0	540	1620	3.5	30	16.7	30	1.2	FAA30K186M164MD5
300	20	57.5	45	30	52.5	20.3	18.0	600	1800	3.2	30	14.5	30	1.2	FAA30K206M164MD5
300	25	57.5	50	35	52.5	20.3	20.0	750	2250	3.0	32	12.5	30	1.2	FAA30K256M204MD5
300	30	57.5	57.5	38	52.5	20.3	24.0	900	2700	2.4	32	10.9	30	1.2	FAA30K306M474MD5
350	0.33	32	18	9	27.5	\	1.5	33	99	45.0	16	148.1	100	0.8	FAA35K334G152GL5
350	0.39	32	18	9	27.5	\	1.6	39	117	40.0	16	146.5	100	0.8	FAA35K394G152GL5
350	0.47	32	18	9	27.5	\	2.0	47	141	35.0	16	107.1	100	0.8	FAA35K474G152GL5
350	0.68	32	20	11	27.5	\	2.5	68	204	24.0	16	100.0	100	0.8	FAA35K684G182GL5
350	0.82	32	22	13	27.5	\	3.0	82	246	20.5	16	81.3	100	0.8	FAA35K824G212GL5
350	1.0	32	22	13	27.5	\	3.2	100	300	15.5	16	94.5	100	0.8	FAA35K105G212GL5
350	1.5	32	24.5	15	27.5	\	4.0	150	450	13.0	16	72.1	100	0.8	FAA35K155G272GL5
350	2.0	32	28	18	27.5	\	4.8	200	600	10.8	18	60.3	100	0.8	FAA35K205G332GL5
350	2.2	32	28	18	27.5	\	5.0	220	660	10.2	18	58.8	100	0.8	FAA35K225G332GL5
350	2.5	32	33	18	27.5	\	6.0	250	750	7.0	20	59.5	100	0.8	FAA35K255G342GL5
350	3.0	32	37	22	27.5	\	7.0	300	900	5.8	22	52.8	100	1.0	FAA35K305G402GL5
350	3.3	32	37	22	27.5	\	7.5	330	990	5.2	22	51.3	100	1.0	FAA35K335G402GL5
350	3.5	32	37	22	27.5	\	7.8	350	1050	5.0	22	49.3	100	1.0	FAA35K355G402GL5
350	4.0	32	37	22	27.5	\	8.0	400	1200	4.5	22	52.1	100	1.0	FAA35K405G402GL5
350	2.0	42	30	16	37.5	\	4.5	140	420	12.8	24	57.9	70	1.0	FAA35K205K142KL5
350	2.2	42	30	16	37.5	\	4.8	154	462	12.5	24	52.1	70	1.0	FAA35K225K142KL5
350	2.5	42	30	16	37.5	\	5.2	175	525	11.8	24	47.0	70	1.0	FAA35K255K142KL5
350	3.0	42	30	16	37.5	\	5.5	210	630	10.8	24	45.9	70	1.0	FAA35K305K142KL5
350	3.3	42	30	16	37.5	\	6.0	231	693	8.8	24	47.3	70	1.0	FAA35K335K142KL5
350	3.5	42	30	16	37.5	\	6.5	245	735	8.6	24	41.3	70	1.0	FAA35K355K142KL5
350	4.0	42	32	19	37.5	\	7.0	280	840	8.0	24	38.3	70	1.0	FAA35K405K212KL5
350	4.5	42	37	22	37.5	\	8.0	315	945	7.0	24	33.5	70	1.0	FAA35K455K274KL5
350	5.0	42	37	22	37.5	\	8.5	350	1050	6.8	24	30.5	70	1.0	FAA35K505K274KL5
350	5.5	42	37	22	37.5	\	8.8	385	1155	6.4	24	30.3	70	1.0	FAA35K555K274KL5
350	6.0	42	44	24	37.5	\	9.5	420	1260	6.0	24	27.7	70	1.0	FAA35K605K324KL5
350	6.5	42	44	24	37.5	\	10.0	455	1365	5.5	24	27.3	70	1.0	FAA35K655K324KL5
350	7.0	42	44	24	37.5	\	10.5	490	1470	5.2	24	26.2	70	1.0	FAA35K705K324KL5
350	8.0	42	44	24	37.5	\	10.5	560	1680	5.2	24	26.2	70	1.0	FAA35K805K324KL5
350	8.5	42	43	28	37.5	\	11.0	595	1785	4.8	26	25.8	70	1.0	FAA35K855K392KL5
350	9.0	42	43	28	37.5	\	11.0	630	1890	4.6	26	26.9	70	1.0	FAA35K905K392KL5
350	9.5	42	45	30	37.5	\	11.5	665	1995	4.4	26	25.8	70	1.0	FAA35K955K422KL5
350	10	42	45	30	37.5	\	12.0	700	2100	4.2	26	24.8	70	1.0	FAA35K106K422KL5
350	12	42	50	35	37.5	20.3	14.0	840	2520	3.6	28	21.3	70	1.2	FAA35K126K474KD5
350	15	57.5	45	30	52.5	20.3	16.5	600	1800	3.5	30	15.7	40	1.2	FAA35K156M164MD5
350	18	57.5	50	35	52.5	20.3	18.0	720	2160	3.0	32	15.4	40	1.2	FAA35K186M204MD5
350	20	57.5	57.5	38	52.5	20.3	20.0	800	2400	2.8	32	13.4	40	1.2	FAA35K206M474MD5
350	22	57.5	57.5	38	52.5	20.3	22.0	880	2640	2.6	32	11.9	40	1.2	FAA35K226M474MD5
350	25	57.5	55	45	52.5	20.3	24.0	1000	3000	2.4	32	10.9	40	1.2	FAA35K256M324MD5

Rating and Part Number

Vac	Cap Value	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
	μF	mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
350	30	57.5	65	45	52.5	20.3	26.0	1200	3600	2.2	32	10.1	40	1.2	FAA35K306M344MD5
400	0.33	32	18	9	27.5	\	1.5	40	119	45.0	16	148.1	120	0.8	FAA40K334G152GL5
400	0.39	32	18	9	27.5	\	1.6	47	140	40.0	16	146.5	120	0.8	FAA40K394G152GL5
400	0.47	32	18	9	27.5	\	2.0	56	169	35.0	16	107.1	120	0.8	FAA40K474G152GL5
400	0.68	32	20	11	27.5	\	2.5	82	245	24.0	16	100.0	120	0.8	FAA40K684G182GL5
400	0.82	32	22	13	27.5	\	3.0	98	295	20.5	16	81.3	120	0.8	FAA40K824G212GL5
400	1.0	32	24	14	27.5	\	3.2	120	360	15.5	16	94.5	120	0.8	FAA40K105G252GL5
400	1.5	32	28	18	27.5	\	4.8	180	540	10.8	18	60.3	120	0.8	FAA40K155G332GL5
400	2.0	32	33	18	27.5	\	6.0	240	720	7.0	20	59.5	120	0.8	FAA40K205G342GL5
400	2.2	32	33	18	27.5	\	6.0	264	792	7.0	20	59.5	120	0.8	FAA40K225G342GL5
400	2.5	32	37	22	27.5	\	7.0	300	900	5.8	22	52.8	120	1.0	FAA40K255G402GL5
400	3.0	32	37	22	27.5	\	7.5	360	1080	5.2	22	51.3	120	1.0	FAA40K305G402GL5
400	2.0	42	30	16	37.5	\	4.5	160	480	12.8	24	57.9	80	1.0	FAA40K205K142KL5
400	2.2	42	30	16	37.5	\	4.8	176	528	12.5	24	52.1	80	1.0	FAA40K225K142KL5
400	2.5	42	30	16	37.5	\	5.2	200	600	11.8	24	47.0	80	1.0	FAA40K255K142KL5
400	3.0	42	32	19	37.5	\	6.0	240	720	8.8	24	47.3	80	1.0	FAA40K305K212KL5
400	3.3	42	32	19	37.5	\	6.5	264	792	8.6	24	41.3	80	1.0	FAA40K335K212KL5
400	3.5	42	37	22	37.5	\	7.0	280	840	8.0	24	38.3	80	1.0	FAA40K355K274KL5
400	4.0	42	37	22	37.5	\	8.0	320	960	7.0	24	33.5	80	1.0	FAA40K405K274KL5
400	4.5	42	37	22	37.5	\	8.5	360	1080	6.8	24	30.5	80	1.0	FAA40K455K274KL5
400	5.0	42	44	24	37.5	\	9.5	400	1200	6.0	24	27.7	80	1.0	FAA40K505K324KL5
400	5.5	42	44	24	37.5	\	10.0	440	1320	5.5	24	27.3	80	1.0	FAA40K555K324KL5
400	6.0	42	43	28	37.5	\	10.5	480	1440	4.8	26	28.3	80	1.0	FAA40K605K392KL5
400	6.5	42	43	28	37.5	\	10.5	520	1560	4.6	26	29.6	80	1.0	FAA40K655K392KL5
400	7.0	42	43	28	37.5	\	11.0	560	1680	4.4	26	28.2	80	1.0	FAA40K705K392KL5
400	7.5	42	45	30	37.5	\	11.0	600	1800	4.4	26	28.2	80	1.0	FAA40K755K422KL5
400	8.0	42	45	30	37.5	\	11.5	640	1920	4.2	26	27.0	80	1.0	FAA40K805K422KL5
400	9.0	42	50	35	37.5	20.3	12.5	720	2160	4.0	28	24.0	80	1.2	FAA40K905K474KD5
400	10	42	50	35	37.5	20.3	14.0	800	2400	3.6	28	21.3	80	1.2	FAA40K106K474KD5
400	10	57.5	45	30	52.5	20.3	12.5	500	1500	4.2	30	22.9	50	1.2	FAA40K106M164MD5
400	12	57.5	50	35	52.5	20.3	14.0	600	1800	3.8	32	20.1	50	1.2	FAA40K126M204MD5
400	14	57.5	50	35	52.5	20.3	16.0	700	2100	3.6	32	16.3	50	1.2	FAA40K146M204MD5
400	18	57.5	57.5	38	52.5	20.3	20.0	900	2700	3.0	32	12.5	50	1.2	FAA40K186M474MD5
400	20	57.5	55	45	52.5	20.3	22.0	1000	3000	2.8	32	11.1	50	1.2	FAA40K206M324MD5
400	22	57.5	65	45	52.5	20.3	24.0	1100	3300	2.5	32	10.4	50	1.2	FAA40K226M344MD5
400	25	57.5	65	45	52.5	20.3	26.0	1250	3750	2.2	32	10.1	50	1.2	FAA40K256M344MD5
500	0.22	32	18	9	27.5	\	1.5	31	92	45.0	16	148.1	140	0.8	FAA50K224G152GL5
500	0.27	32	18	9	27.5	\	1.6	38	113	40.0	16	146.5	140	0.8	FAA50K274G152GL5
500	0.33	32	20	11	27.5	\	2.5	46	139	24.0	16	100.0	140	0.8	FAA50K334G182GL5
500	0.39	32	20	11	27.5	\	2.5	55	164	24.0	16	100.0	140	0.8	FAA50K394G182GL5
500	0.47	32	22	13	27.5	\	2.8	66	197	21.5	16	89.0	140	0.8	FAA50K474G212GL5
500	0.56	32	22	13	27.5	\	3.0	78	235	20.5	16	81.3	140	0.8	FAA50K564G212GL5
500	0.68	32	24.5	15	27.5	\	3.5	95	286	15.5	16	79.0	140	0.8	FAA50K684G272GL5
500	0.82	32	28	18	27.5	\	4.8	115	344	12.5	18	52.1	140	0.8	FAA50K824G332GL5
500	1.0	32	33	18	27.5	\	6.0	140	420	9.0	20	46.3	140	0.8	FAA50K105G342GL5
500	1.2	32	33	18	27.5	\	6.0	168	504	9.0	20	46.3	140	0.8	FAA50K125G342GL5
500	1.5	32	37	22	27.5	\	7.0	210	630	8.5	22	36.0	140	1.0	FAA50K155G402GL5
500	1.8	32	37	22	27.5	\	7.5	252	756	7.8	22	34.2	140	1.0	FAA50K185G402GL5
500	1.0	42	30	16	37.5	\	4.5	90	270	12.8	24	57.9	90	1.0	FAA50K105K142KL5
500	1.2	42	30	16	37.5	\	4.8	108	324	12.5	24	52.1	90	1.0	FAA50K125K142KL5
500	1.5	42	30	16	37.5	\	5.2	135	405	11.8	24	47.0	90	1.0	FAA50K155K142KL5
500	1.8	42	32	19	37.5	\	6.0	162	486	9.0	24	46.3	90	1.0	FAA50K185K212KL5
500	2.0	42	32	19	37.5	\	6.5	180	540	8.6	24	41.3	90	1.0	FAA50K205K212KL5
500	2.5	42	37	22	37.5	\	7.0	225	675	8.0	24	38.3	90	1.0	FAA50K255K274KL5
500	2.8	42	37	22	37.5	\	8.0	252	756	7.0	24	33.5	90	1.0	FAA50K285K274KL5
500	3.0	42	37	22	37.5	\	8.5	270	810	6.8	24	30.5	90	1.0	FAA50K305K274KL5

Rating and Part Number

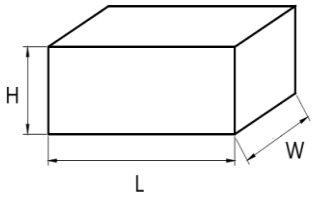
Vac	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
500	3.5	42	44	24	37.5	\	9.5	315	945	6.0	24	27.7	90	1.0	FAA50K355K324KL5
500	4.0	42	43	28	37.5	\	10.5	360	1080	4.8	26	28.3	90	1.0	FAA50K405K392KL5
500	4.5	42	43	28	37.5	\	10.5	405	1215	4.8	26	28.3	90	1.0	FAA50K455K392KL5
500	5.0	42	45	30	37.5	\	11.0	450	1350	4.5	26	27.5	90	1.0	FAA50K505K422KL5
500	5.5	42	50	35	37.5	20.3	12.5	495	1485	4.2	28	22.9	90	1.2	FAA50K555K474KD5
500	6.0	42	50	35	37.5	20.3	14.0	540	1620	3.8	28	20.1	90	1.2	FAA50K605K474KD5
500	7.0	57.5	45	30	52.5	20.3	12.5	420	1260	4.2	30	22.9	60	1.2	FAA50K705M164MD5
500	8.0	57.5	50	35	52.5	20.3	14.0	480	1440	3.8	32	20.1	60	1.2	FAA50K805M204MD5
500	9.0	57.5	50	35	52.5	20.3	16.0	540	1620	3.6	32	16.3	60	1.2	FAA50K905M204MD5
500	10	57.5	57.5	38	52.5	20.3	18.0	600	1800	3.4	32	13.6	60	1.2	FAA50K106M474MD5
500	12	57.5	57.5	38	52.5	20.3	20.0	720	2160	3.2	32	11.7	60	1.2	FAA50K126M474MD5
500	15	57.5	65	45	52.5	20.3	22.0	900	2700	3.0	32	10.3	60	1.2	FAA50K156M344MD5
600	0.15	32	18	9	27.5	\	1.5	24	72	45.0	16	148.1	160	0.8	FAA60K154G152GL5
600	0.22	32	20	11	27.5	\	2.5	35	106	24.0	16	100.0	160	0.8	FAA60K224G182GL5
600	0.33	32	22	13	27.5	\	2.8	53	158	21.5	16	89.0	160	0.8	FAA60K334G212GL5
600	0.47	32	24.5	15	27.5	\	3.2	75	226	15.5	16	94.5	160	0.8	FAA60K474G272GL5
600	0.56	32	28	14	27.5	\	4.0	90	269	12.5	18	75.0	160	0.8	FAA60K564G262GL5
600	0.68	32	28	18	27.5	\	4.8	109	326	10.8	18	60.3	160	0.8	FAA60K684G332GL5
600	0.82	32	33	18	27.5	\	6.0	131	394	7.0	20	59.5	160	0.8	FAA60K824G342GL5
600	1.0	32	33	18	27.5	\	6.0	160	480	7.0	20	59.5	160	0.8	FAA60K105G342GL5
600	1.2	32	37	22	27.5	\	7.0	192	576	5.8	22	52.8	160	1.0	FAA60K125G402GL5
600	1.0	42	30	16	37.5	\	4.5	100	300	12.8	24	57.9	100	1.0	FAA60K105K142KL5
600	1.2	42	32	19	37.5	\	6.0	120	360	8.8	24	47.3	100	1.0	FAA60K125K212KL5
600	1.5	42	32	19	37.5	\	6.5	150	450	8.6	24	41.3	100	1.0	FAA60K155K212KL5
600	1.8	42	37	22	37.5	\	7.0	180	540	8.0	24	38.3	100	1.0	FAA60K185K274KL5
600	2.0	42	37	22	37.5	\	8.0	200	600	7.0	24	33.5	100	1.0	FAA60K205K274KL5
600	2.2	42	44	24	37.5	\	9.0	220	660	6.5	24	28.5	100	1.0	FAA60K225K324KL5
600	2.5	42	44	24	37.5	\	9.5	250	750	6.0	24	27.7	100	1.0	FAA60K255K324KL5
600	2.8	42	43	28	37.5	\	10.0	280	840	5.5	26	27.3	100	1.0	FAA60K285K392KL5
600	3.0	42	45	30	37.5	\	10.5	300	900	5.0	26	27.2	100	1.0	FAA60K305K422KL5
600	3.5	42	50	35	37.5	20.3	12.5	350	1050	4.5	28	21.3	100	1.2	FAA60K335K474KD5
600	4.0	42	50	35	37.5	20.3	14.0	400	1200	4.0	28	19.1	100	1.2	FAA60K405K474KD5
600	4.5	57.5	45	30	52.5	20.3	12.5	315	945	4.5	30	21.3	70	1.2	FAA60K455M164MD5
600	5.0	57.5	45	30	52.5	20.3	13.5	350	1050	4.2	30	19.6	70	1.2	FAA60K505M164MD5
600	6.0	57.5	50	35	52.5	20.3	14.0	420	1260	4.0	32	19.1	70	1.2	FAA60K605M204MD5
600	6.5	57.5	50	35	52.5	20.3	16.0	455	1365	3.8	32	15.4	70	1.2	FAA60K655M204MD5
600	7.0	57.5	57.5	38	52.5	20.3	18.0	490	1470	3.6	32	12.9	70	1.2	FAA60K705M474MD5
600	7.5	57.5	57.5	38	52.5	20.3	19.0	525	1575	3.4	32	12.2	70	1.2	FAA60K755M474MD5
600	8.0	57.5	57.5	38	52.5	20.3	20.0	560	1680	3.2	32	11.7	70	1.2	FAA60K805M474MD5
600	10	57.5	65	45	52.5	20.3	22.0	700	2100	3.0	32	10.3	70	1.2	FAA60K106M344MD5
760	0.1	32	18	9	27.5	\	1.5	20	60	45.0	16	148.1	200	0.8	FAA76K104G152GL5
760	0.15	32	20	11	27.5	\	2.5	30	90	24.0	16	100.0	200	0.8	FAA76K154G182GL5
760	0.22	32	22	13	27.5	\	2.8	44	132	21.5	16	89.0	200	0.8	FAA76K224G212GL5
760	0.33	32	24.5	15	27.5	\	3.2	66	198	15.5	16	94.5	200	0.8	FAA76K334G272GL5
760	0.47	32	28	18	27.5	\	4.5	94	282	12.0	18	61.7	200	0.8	FAA76K474G332GL5
760	0.56	32	33	18	27.5	\	5.0	112	336	10.5	20	57.1	200	0.8	FAA76K564G342GL5
760	0.68	32	37	22	27.5	\	6.0	136	408	9.5	22	43.9	200	1.0	FAA76K684G402GL5
760	0.68	42	30	16	37.5	\	4.5	82	245	12.8	24	57.9	120	1.0	FAA76K684K142KL5
760	0.82	42	32	19	37.5	\	5.5	98	295	10.0	24	49.6	120	1.0	FAA76K824K212KL5
760	1.0	42	32	19	37.5	\	6.5	120	360	9.0	24	39.4	120	1.0	FAA76K105K212KL5
760	1.2	42	37	22	37.5	\	7.0	144	432	8.5	24	36.0	120	1.0	FAA76K125K274KL5
760	1.5	42	44	24	37.5	\	8.0	180	540	7.5	24	31.3	120	1.0	FAA76K155K324KL5
760	1.8	42	43	28	37.5	\	9.5	216	648	6.5	26	25.6	120	1.0	FAA76K185K392KL5
760	2.0	42	45	30	37.5	\	10.5	240	720	5.0	26	27.2	120	1.0	FAA76K205K422KL5
760	2.5	42	50	35	37.5	20.3	12.5	300	900	4.5	28	21.3	120	1.2	FAA76K255K474KD5
760	3.0	57.5	45	30	52.5	20.3	12.5	240	720	4.5	30	21.3	80	1.2	FAA76K305M164MD5

Rating and Part Number

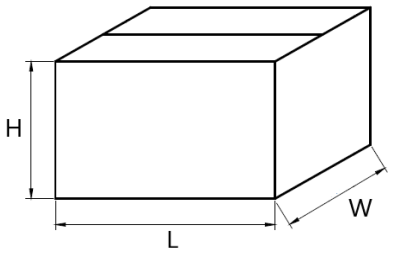
Vac	Cap Value μF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
760	4.0	57.5	50	35	52.5	20.3	14.0	320	960	4.0	32	19.1	80	1.2	FAA76K405M204MD5
760	5.0	57.5	57.5	38	52.5	20.3	16.0	400	1200	3.6	32	16.3	80	1.2	FAA76K505M474MD5
760	6.0	57.5	55	45	52.5	20.3	18.0	480	1440	3.4	32	13.6	80	1.2	FAA76K605M324MD5
760	7.0	57.5	65	45	52.5	20.3	20.0	560	1680	3.2	32	11.7	80	1.2	FAA76K705M344MD5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity	
		W	H	T	Long Leads	Short Leads
27.5	G15	32	18	9	340	340
	G18	32	20	11	280	280
	G21	32	22	13	230	230
	G25	32	24	14	220	220
	G26	32	28	14	220	220
	G27	32	24.5	15	200	200
	G33	32	28	18	170	170
	G34	32	33	18	170	170
	G40	32	37	22	140	140
37.5	K14	42	30	16	133	133
	K21	42	32	19	112	112
	K27	42	37	22	98	98
	K32	42	44	24	91	91
	K39	42	43	28	77	77
	K42	42	45	30	70	70
	K47	42	50	35	63	63
52.5	M16	57.5	45	30	50	50
	M20	57.5	50	35	45	45
	M32	57.5	55	45	35	35
	M34	57.5	65	45	35	35
	M47	57.5	57.5	38	40	40

Overview

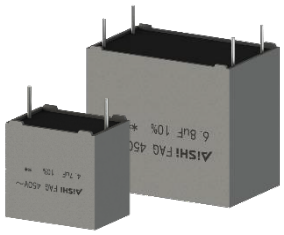
The FAG capacitor is constructed of metallized polypropylene film encapsulated with epoxy resin in a plastic box, with 2 or 4 tinned copper wire. These FAG series are suitable for harsh environment conditions and compliant to THB Grade IIIB.

Applications

Widely used in Clamping, AC and Harmonic Filtering, UPS Systems, Solar Inverter with LCL Filter and Motor Drive.

Features

- High ripple current
- Self-healing and low loss
- Optimized AC voltage performance
- Suitable for high frequency applications
- Suitable for harsh environment conditions.
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{RAC})



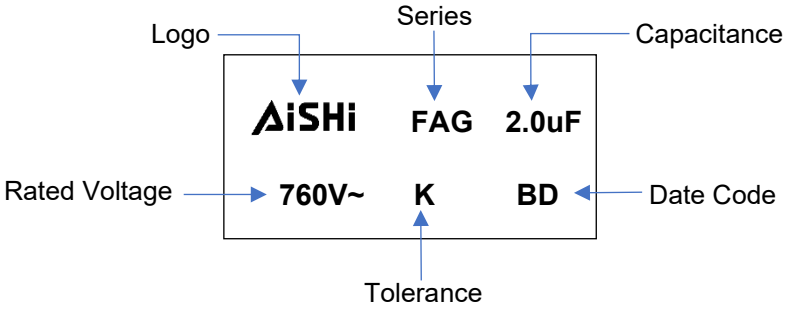
Applicable Standard

Approval	Specification	File Number
c UL us	UL 810	E500537

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	180Vac ~ 760Vac
Capacitance Range	0.1uF ~60uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-55°C ~ +105°C (85°C ~105°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	55/105/56 IEC 60068-1
Dissipation Factor	≤ 0.002 (0.20%) at 1 KHz. C≤20uF at +25°C ≤ 0.003 (0.30%) at 1 KHz. C>20uF at +25°C
Insulation Resistance	RC between leads, IR xC≥30,000 s at 100vdc 1minute at +25°C

Marking



Part Number System

F	AG	76	K	205	K42	2KL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	AC Filtering, THB Type, Metallized PP Film	180=18 250=25 300=30 350=35 400=40 450=45 500=50 600=60 760=76	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

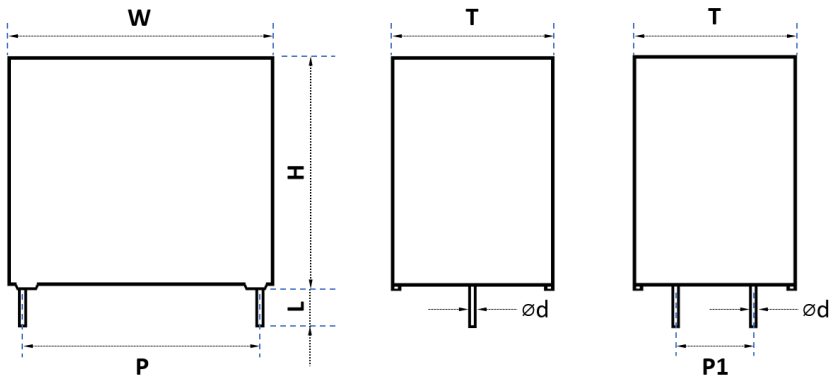
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	27.5mm	G	10.2mm	B
2 leads for straight cut	2	37.5mm	K	12.7mm	G
2 leads for forming cut	E	52.5mm	M	20.3mm	D
4 leads for straight cut	4	N/A	N	N/A	L
6 leads for straight cut	6				

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins 4 pins

Size Code Table (mm)

Size Code	Dimension						Pitch				Ød		
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	P1	Tolerance	4 Leads	2 Leads	Tolerance
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	\	\	\	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	\	\	\	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G25	32	0.8	24	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	\	\	\	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	10.2	0.5	1.0	1.0	0.05
K14	42	1.0	30	1.0	16	1.0	37.5	0.5	\	\	\	1.0	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	\	\	\	1.0	0.05
K27	42	1.0	37	1.0	22	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K39	42	1.0	43	1.0	28	1.0	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K47	42	1.0	50	1.0	35	1.0	37.5	0.5	20.3	0.5	1.2	1.0	0.05
M16	57.5	1.0	45	1.0	30	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M20	57.5	1.0	50	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M32	57.5	1.0	55	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M34	57.5	1.0	65	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M47	57.5	1.0	57.5	1.0	38	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05

Rating and Part Number

Vac	Cap Value	Dimensions					Irms	Peak Current	Surge Current	$ESR_{Typical}$	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
	μF	W	H	T	P	P1	10KHz			10KHz					
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
180	4.0	32	22	13	27.5	\	7.0	300	900	6.8	16	45.0	75	0.8	FAG18K405G212GL5
180	5.0	32	28	18	27.5	\	8.0	375	1125	5.5	18	42.6	75	0.8	FAG18K505G332GL5
180	6.8	32	33	18	27.5	\	11.0	510	1530	4.0	20	31.0	75	0.8	FAG18K685G342GL5
180	10	32	37	22	27.5	\	13.0	750	2250	2.8	22	31.7	75	1.0	FAG18K106G402GL5
180	10	42	32	19	37.5	\	10.0	450	1350	5.0	24	30.0	45	1.0	FAG18K106K212KL5
180	15	42	37	22	37.5	\	14.0	675	2025	3.5	24	21.9	45	1.0	FAG18K156K274KL5
180	18	42	44	24	37.5	\	14.0	810	2430	2.8	24	27.3	45	1.0	FAG18K186K324KL5
180	20	42	44	24	37.5	\	15.0	900	2700	2.5	24	26.7	45	1.0	FAG18K206K322KL5
180	22	42	44	24	37.5	\	15.0	990	2970	2.2	26	30.3	45	1.0	FAG18K226K322KL5
180	25	42	45	30	37.5	\	15.0	1125	3375	2.0	26	33.3	45	1.0	FAG18K256K422KL5
180	30	42	50	35	37.5	20.3	18.0	1350	4050	1.8	28	25.7	45	1.2	FAG18K306K472KL5
180	33	42	50	35	37.5	20.3	18.0	1485	4455	1.6	28	28.9	45	1.2	FAG18K336K472KL5
180	40	57.5	45	30	52.5	20.3	20.0	1000	3000	2.5	30	15.0	25	1.2	FAG18K406M164MD5
180	50	57.5	50	35	52.5	20.3	24.0	1250	3750	2.2	32	11.8	25	1.2	FAG18K506M204MD5
180	60	57.5	57.5	38	52.5	20.3	26.0	1500	4500	1.8	32	12.3	25	1.2	FAG18K606M474MD5
250	1.0	32	18	9	27.5	\	3.0	90	270	16.5	16	101.0	90	0.8	FAG25K105G152GL5
250	1.5	32	20	11	27.5	\	4.0	135	405	10.5	16	89.3	90	0.8	FAG25K155G182GL5
250	2.0	32	22	13	27.5	\	5.0	180	540	8.5	16	70.6	90	0.8	FAG25K205G212GL5
250	2.2	32	22	13	27.5	\	6.0	198	594	7.8	16	53.4	90	0.8	FAG25K225G212GL5
250	2.5	32	22	13	27.5	\	6.0	225	675	7.5	16	55.6	90	0.8	FAG25K255G212GL5
250	3.0	32	24.5	15	27.5	\	7.0	270	810	6.5	16	47.1	90	0.8	FAG25K305G272GL5
250	3.3	32	24.5	15	27.5	\	8.0	297	891	6.2	16	37.8	90	0.8	FAG25K335G272GL5
250	3.5	32	28	14	27.5	\	8.0	315	945	5.8	18	40.4	90	0.8	FAG25K355G262GL5
250	4.0	32	28	18	27.5	\	10.0	360	1080	4.8	20	31.3	90	0.8	FAG25K405G332GL5
250	4.5	32	33	18	27.5	\	10.0	405	1215	4.5	20	33.3	90	0.8	FAG25K455G342GL5
250	5.0	32	33	18	27.5	\	11.0	450	1350	4.0	20	31.0	90	0.8	FAG25K505G342GL5
250	6.8	32	37	22	27.5	\	14.0	612	1836	2.8	22	27.3	90	1.0	FAG25K106G402GL5
250	4.7	42	30	16	37.5	\	7.0	282	846	7.5	24	40.8	60	1.0	FAG25K475K142KL5
250	5.0	42	30	16	37.5	\	8.0	300	900	7.0	24	33.5	60	1.0	FAG25K505K142KL5
250	6.0	42	30	16	37.5	\	9.0	360	1080	6.0	24	30.9	60	1.0	FAG25K605K142KL5
250	6.5	42	30	16	37.5	\	10.0	390	1170	5.6	24	26.8	60	1.0	FAG25K655K142KL5
250	6.8	42	32	19	37.5	\	10.5	408	1224	5.4	24	25.2	60	1.0	FAG25K685K212KL5
250	7.5	42	32	19	37.5	\	11.0	450	1350	5.0	24	24.8	60	1.0	FAG25K755K212KL5
250	8.0	42	37	22	37.5	\	12.0	480	1440	4.5	24	23.1	60	1.0	FAG25K805K274KL5
250	10	42	37	22	37.5	\	13.0	600	1800	3.6	24	24.7	60	1.0	FAG25K106K274KL5
250	12	42	44	24	37.5	\	14.0	720	2160	3.0	24	25.5	60	1.0	FAG25K126K324KL5
250	15	42	44	24	37.5	\	14.0	900	2700	2.5	24	30.6	60	1.0	FAG25K156K322KL5
250	18	42	43	28	37.5	\	15.0	1080	3240	2.2	26	30.3	60	1.0	FAG25K186K392KL5
250	20	42	45	30	37.5	\	15.0	1200	3600	2.0	26	33.3	60	1.0	FAG25K206K422KL5
250	22	42	50	35	37.5	20.3	18.0	1320	3960	1.8	28	25.7	60	1.2	FAG25K226K474KD5
250	25	57.5	45	30	52.5	20.3	18.0	750	2250	3.2	30	14.5	30	1.2	FAG25K256M164MD5
250	30	57.5	45	30	52.5	20.3	20.0	900	2700	2.8	30	13.4	30	1.2	FAG25K306M164MD5
250	35	57.5	50	35	52.5	20.3	24.0	1050	3150	2.4	32	10.9	30	1.2	FAG25K356M204MD5
250	40	57.5	57.5	38	52.5	20.3	26.0	1200	3600	2.0	32	11.1	30	1.2	FAG25K406M474MD5
300	1.0	32	20	11	27.5	\	4.0	90	270	12.5	16	75.0	90	0.8	FAG30K105G182GL5
300	1.5	32	22	13	27.5	\	5.0	135	405	8.5	16	70.6	90	0.8	FAG30K155G212GL5
300	2.0	32	24.5	15	27.5	\	6.0	180	540	7.5	16	55.6	90	0.8	FAG30K205G272GL5
300	2.2	32	24.5	15	27.5	\	7.0	198	594	6.8	16	45.0	90	0.8	FAG30K225G272GL5
300	2.5	32	28	14	27.5	\	8.0	225	675	6.5	18	36.1	90	0.8	FAG30K255G262GL5
300	3.0	32	28	18	27.5	\	9.0	270	810	6.0	20	30.9	90	0.8	FAG30K305G332GL5
300	3.3	32	33	18	27.5	\	10.0	297	891	4.8	20	31.3	90	0.8	FAG30K335G342GL5
300	3.5	32	33	18	27.5	\	10.5	315	945	4.6	20	29.6	90	0.8	FAG30K355G342GL5
300	4.0	32	33	18	27.5	\	11.0	360	1080	4.2	20	29.5	90	0.8	FAG30K405G342GL5
300	4.7	32	37	22	27.5	\	13.0	423	1269	3.8	22	23.4	90	1.0	FAG30K475G402GL5
300	5.0	32	37	22	27.5	\	13.5	450	1350	3.6	22	22.9	90	1.0	FAG30K505G402GL5
300	5.6	32	37	22	27.5	\	14.0	504	1512	3.0	22	25.5	90	1.0	FAG30K565G402GL5

Rating and Part Number

Vac	Cap Value	Dimensions					Irms	Peak Current	Surge Current	$ESR_{Typical}$	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1	10KHz			10KHz					
	μF	mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
300	3.0	42	30	16	37.5	\	6.0	180	540	9.0	24	46.3	60	1.0	FAG30K305K142KL5
300	3.3	42	30	16	37.5	\	7.0	198	594	8.5	24	36.0	60	1.0	FAG30K335K142KL5
300	3.5	42	30	16	37.5	\	7.0	210	630	8.0	24	38.3	60	1.0	FAG30K355K142KL5
300	4.0	42	30	16	37.5	\	8.0	240	720	6.8	24	34.5	60	1.0	FAG30K405K142KL5
300	4.5	42	30	16	37.5	\	9.0	270	810	6.0	24	30.9	60	1.0	FAG30K455K142KL5
300	4.7	42	30	16	37.5	\	9.0	282	846	5.8	24	31.9	60	1.0	FAG30K475K142KL5
300	5.0	42	32	19	37.5	\	10.0	300	900	5.5	24	27.3	60	1.0	FAG30K505K212KL5
300	6.0	42	32	19	37.5	\	11.0	360	1080	5.0	24	24.8	60	1.0	FAG30K605K212KL5
300	6.8	42	37	22	37.5	\	12.0	408	1224	4.5	24	23.1	60	1.0	FAG30K685K274KL5
300	8.0	42	37	22	37.5	\	13.0	480	1440	3.6	24	24.7	60	1.0	FAG30K805K274KL5
300	10	42	44	24	37.5	\	14.0	600	1800	3.0	24	25.5	60	1.0	FAG30K106K324KL5
300	12	42	43	28	37.5	\	15.0	720	2160	2.4	26	27.8	60	1.0	FAG30K126K392KL5
300	15	42	45	30	37.5	\	15.0	900	2700	2.2	26	30.3	60	1.0	FAG30K156K422KL5
300	18	42	50	35	37.5	20.3	18.0	1080	3240	2.0	28	23.1	60	1.2	FAG30K186K474KD5
300	18	57.5	45	30	52.5	20.3	16.0	540	1620	3.5	30	16.7	30	1.2	FAG30K186M164MD5
300	20	57.5	45	30	52.5	20.3	18.0	600	1800	3.2	30	14.5	30	1.2	FAG30K206M164MD5
300	25	57.5	50	35	52.5	20.3	20.0	750	2250	3.0	32	12.5	30	1.2	FAG30K256M204MD5
300	30	57.5	57.5	38	52.5	20.3	24.0	900	2700	2.4	32	10.9	30	1.2	FAG30K306M474MD5
350	0.33	32	18	9	27.5	\	1.5	33	99	45.0	16	148.1	100	0.8	FAG35K334G152GL5
350	0.39	32	18	9	27.5	\	1.6	39	117	40.0	16	146.5	100	0.8	FAG35K394G152GL5
350	0.47	32	18	9	27.5	\	2.0	47	141	35.0	16	107.1	100	0.8	FAG35K474G152GL5
350	0.68	32	20	11	27.5	\	2.5	68	204	24.0	16	100.0	100	0.8	FAG35K684G182GL5
350	0.82	32	22	13	27.5	\	3.0	82	246	20.5	16	81.3	100	0.8	FAG35K824G212GL5
350	1.0	32	22	13	27.5	\	3.2	100	300	15.5	16	94.5	100	0.8	FAG35K105G212GL5
350	1.5	32	24.5	15	27.5	\	4.0	150	450	13.0	16	72.1	100	0.8	FAG35K155G272GL5
350	2.0	32	28	18	27.5	\	4.8	200	600	10.8	18	60.3	100	0.8	FAG35K205G332GL5
350	2.2	32	28	18	27.5	\	5.0	220	660	10.2	18	58.8	100	0.8	FAG35K225G332GL5
350	2.5	32	33	18	27.5	\	6.0	250	750	7.0	20	59.5	100	0.8	FAG35K255G342GL5
350	3.0	32	37	22	27.5	\	7.0	300	900	5.8	22	52.8	100	1.0	FAG35K305G402GL5
350	3.3	32	37	22	27.5	\	7.5	330	990	5.2	22	51.3	100	1.0	FAG35K335G402GL5
350	3.5	32	37	22	27.5	\	7.8	350	1050	5.0	22	49.3	100	1.0	FAG35K355G402GL5
350	4.0	32	37	22	27.5	\	8.0	400	1200	4.5	22	52.1	100	1.0	FAG35K405G402GL5
350	2.0	42	30	16	37.5	\	4.5	140	420	12.8	24	57.9	70	1.0	FAG35K205K142KL5
350	2.2	42	30	16	37.5	\	4.8	154	462	12.5	24	52.1	70	1.0	FAG35K225K142KL5
350	2.5	42	30	16	37.5	\	5.2	175	525	11.8	24	47.0	70	1.0	FAG35K255K142KL5
350	3.0	42	30	16	37.5	\	5.5	210	630	10.8	24	45.9	70	1.0	FAG35K305K142KL5
350	3.3	42	30	16	37.5	\	6.0	231	693	8.8	24	47.3	70	1.0	FAG35K335K142KL5
350	3.5	42	30	16	37.5	\	6.5	245	735	8.6	24	41.3	70	1.0	FAG35K355K142KL5
350	4.0	42	32	19	37.5	\	7.0	280	840	8.0	24	38.3	70	1.0	FAG35K405K212KL5
350	4.5	42	37	22	37.5	\	8.0	315	945	7.0	24	33.5	70	1.0	FAG35K455K274KL5
350	5.0	42	37	22	37.5	\	8.5	350	1050	6.8	24	30.5	70	1.0	FAG35K505K274KL5
350	5.5	42	37	22	37.5	\	8.8	385	1155	6.4	24	30.3	70	1.0	FAG35K555K274KL5
350	6.0	42	44	24	37.5	\	9.5	420	1260	6.0	24	27.7	70	1.0	FAG35K605K324KL5
350	6.5	42	44	24	37.5	\	10.0	455	1365	5.5	24	27.3	70	1.0	FAG35K655K324KL5
350	7.0	42	44	24	37.5	\	10.5	490	1470	5.2	24	26.2	70	1.0	FAG35K705K324KL5
350	8.0	42	44	24	37.5	\	10.5	560	1680	5.2	24	26.2	70	1.0	FAG35K805K324KL5
350	8.5	42	43	28	37.5	\	11.0	595	1785	4.8	26	25.8	70	1.0	FAG35K855K392KL5
350	9.0	42	43	28	37.5	\	11.0	630	1890	4.6	26	26.9	70	1.0	FAG35K905K392KL5
350	9.5	42	45	30	37.5	\	11.5	665	1995	4.4	26	25.8	70	1.0	FAG35K955K422KL5
350	10	42	45	30	37.5	\	12.0	700	2100	4.2	26	24.8	70	1.0	FAG35K106K422KL5
350	12	42	50	35	37.5	20.3	14.0	840	2520	3.6	28	21.3	70	1.2	FAG35K126K474KD5
350	15	57.5	45	30	52.5	20.3	16.5	600	1800	3.5	30	15.7	40	1.2	FAG35K156M164MD5
350	18	57.5	50	35	52.5	20.3	18.0	720	2160	3.0	32	15.4	40	1.2	FAG35K186M204MD5
350	20	57.5	57.5	38	52.5	20.3	20.0	800	2400	2.8	32	13.4	40	1.2	FAG35K206M474MD5
350	22	57.5	57.5	38	52.5	20.3	22.0	880	2640	2.6	32	11.9	40	1.2	FAG35K226M474MD5
350	25	57.5	55	45	52.5	20.3	24.0	1000	3000	2.4	32	10.9	40	1.2	FAG35K256M324MD5

Rating and Part Number

Vac	Cap Value µF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
350	30	57.5	65	45	52.5	20.3	26.0	1200	3600	2.2	32	10.1	40	1.2	FAG35K306M344MD5
400	0.33	32	18	9	27.5	\	1.5	40	119	45.0	16	148.1	120	0.8	FAG40K334G152GL5
400	0.39	32	18	9	27.5	\	1.6	47	140	40.0	16	146.5	120	0.8	FAG40K394G152GL5
400	0.47	32	18	9	27.5	\	2.0	56	169	35.0	16	107.1	120	0.8	FAG40K474G152GL5
400	0.68	32	20	11	27.5	\	2.5	82	245	24.0	16	100.0	120	0.8	FAG40K684G182GL5
400	0.82	32	22	13	27.5	\	3.0	98	295	20.5	16	81.3	120	0.8	FAG40K824G212GL5
400	1.0	32	24	14	27.5	\	3.2	120	360	15.5	16	94.5	120	0.8	FAG40K105G252GL5
400	1.5	32	28	18	27.5	\	4.8	180	540	10.8	18	60.3	120	0.8	FAG40K155G332GL5
400	2.0	32	33	18	27.5	\	6.0	240	720	7.0	20	59.5	120	0.8	FAG40K205G342GL5
400	2.2	32	33	18	27.5	\	6.0	264	792	7.0	20	59.5	120	0.8	FAG40K225G342GL5
400	2.5	32	37	22	27.5	\	7.0	300	900	5.8	22	52.8	120	1.0	FAG40K255G402GL5
400	3.0	32	37	22	27.5	\	7.5	360	1080	5.2	22	51.3	120	1.0	FAG40K305G402GL5
400	2.0	42	30	16	37.5	\	4.5	160	480	12.8	24	57.9	80	1.0	FAG40K205K142KL5
400	2.2	42	30	16	37.5	\	4.8	176	528	12.5	24	52.1	80	1.0	FAG40K225K142KL5
400	2.5	42	30	16	37.5	\	5.2	200	600	11.8	24	47.0	80	1.0	FAG40K255K142KL5
400	3.0	42	32	19	37.5	\	6.0	240	720	8.8	24	47.3	80	1.0	FAG40K305K212KL5
400	3.3	42	32	19	37.5	\	6.5	264	792	8.6	24	41.3	80	1.0	FAG40K335K212KL5
400	3.5	42	37	22	37.5	\	7.0	280	840	8.0	24	38.3	80	1.0	FAG40K355K274KL5
400	4.0	42	37	22	37.5	\	8.0	320	960	7.0	24	33.5	80	1.0	FAG40K405K274KL5
400	4.5	42	37	22	37.5	\	8.5	360	1080	6.8	24	30.5	80	1.0	FAG40K455K274KL5
400	5.0	42	44	24	37.5	\	9.5	400	1200	6.0	24	27.7	80	1.0	FAG40K505K324KL5
400	5.5	42	44	24	37.5	\	10.0	440	1320	5.5	24	27.3	80	1.0	FAG40K555K324KL5
400	6.0	42	43	28	37.5	\	10.5	480	1440	4.8	26	28.3	80	1.0	FAG40K605K392KL5
400	6.5	42	43	28	37.5	\	10.5	520	1560	4.6	26	29.6	80	1.0	FAG40K655K392KL5
400	7.0	42	43	28	37.5	\	11.0	560	1680	4.4	26	28.2	80	1.0	FAG40K705K392KL5
400	7.5	42	45	30	37.5	\	11.0	600	1800	4.4	26	28.2	80	1.0	FAG40K755K422KL5
400	8.0	42	45	30	37.5	\	11.5	640	1920	4.2	26	27.0	80	1.0	FAG40K805K422KL5
400	9.0	42	50	35	37.5	20.3	12.5	720	2160	4.0	28	24.0	80	1.2	FAG40K905K474KD5
400	10	42	50	35	37.5	20.3	14.0	800	2400	3.6	28	21.3	80	1.2	FAG40K106K474KD5
400	10	57.5	45	30	52.5	20.3	12.5	500	1500	4.2	30	22.9	50	1.2	FAG40K106M164MD5
400	12	57.5	50	35	52.5	20.3	14.0	600	1800	3.8	32	20.1	50	1.2	FAG40K126M204MD5
400	14	57.5	50	35	52.5	20.3	16.0	700	2100	3.6	32	16.3	50	1.2	FAG40K146M204MD5
400	18	57.5	57.5	38	52.5	20.3	20.0	900	2700	3.0	32	12.5	50	1.2	FAG40K186M474MD5
400	20	57.5	55	45	52.5	20.3	22.0	1000	3000	2.8	32	11.1	50	1.2	FAG40K206M324MD5
400	22	57.5	65	45	52.5	20.3	24.0	1100	3300	2.5	32	10.4	50	1.2	FAG40K226M344MD5
400	25	57.5	65	45	52.5	20.3	26.0	1250	3750	2.2	32	10.1	50	1.2	FAG40K256M344MD5
500	0.22	32	18	9	27.5	\	1.5	31	92	45.0	16	148.1	140	0.8	FAG50K224G152GL5
500	0.27	32	18	9	27.5	\	1.6	38	113	40.0	16	146.5	140	0.8	FAG50K274G152GL5
500	0.33	32	20	11	27.5	\	2.5	46	139	24.0	16	100.0	140	0.8	FAG50K334G182GL5
500	0.39	32	20	11	27.5	\	2.5	55	164	24.0	16	100.0	140	0.8	FAG50K394G182GL5
500	0.47	32	22	13	27.5	\	2.8	66	197	21.5	16	89.0	140	0.8	FAG50K474G212GL5
500	0.56	32	22	13	27.5	\	3.0	78	235	20.5	16	81.3	140	0.8	FAG50K564G212GL5
500	0.68	32	24.5	15	27.5	\	3.5	95	286	15.5	16	79.0	140	0.8	FAG50K684G272GL5
500	0.82	32	28	18	27.5	\	4.8	115	344	12.5	18	52.1	140	0.8	FAG50K824G332GL5
500	1.0	32	33	18	27.5	\	6.0	140	420	9.0	20	46.3	140	0.8	FAG50K105G342GL5
500	1.2	32	33	18	27.5	\	6.0	168	504	9.0	20	46.3	140	0.8	FAG50K125G342GL5
500	1.5	32	37	22	27.5	\	7.0	210	630	8.5	22	36.0	140	1.0	FAG50K155G402GL5
500	1.8	32	37	22	27.5	\	7.5	252	756	7.8	22	34.2	140	1.0	FAG50K185G402GL5
500	1.0	42	30	16	37.5	\	4.5	90	270	12.8	24	57.9	90	1.0	FAG50K105K142KL5
500	1.2	42	30	16	37.5	\	4.8	108	324	12.5	24	52.1	90	1.0	FAG50K125K142KL5
500	1.5	42	30	16	37.5	\	5.2	135	405	11.8	24	47.0	90	1.0	FAG50K155K142KL5
500	1.8	42	32	19	37.5	\	6.0	162	486	9.0	24	46.3	90	1.0	FAG50K185K212KL5
500	2.0	42	32	19	37.5	\	6.5	180	540	8.6	24	41.3	90	1.0	FAG50K205K212KL5
500	2.5	42	37	22	37.5	\	7.0	225	675	8.0	24	38.3	90	1.0	FAG50K255K274KL5
500	2.8	42	37	22	37.5	\	8.0	252	756	7.0	24	33.5	90	1.0	FAG50K285K274KL5
500	3.0	42	37	22	37.5	\	8.5	270	810	6.8	24	30.5	90	1.0	FAG50K305K274KL5

Rating and Part Number

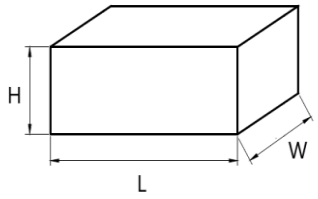
Vac	Cap Value µF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
500	3.5	42	44	24	37.5	\	9.5	315	945	6.0	24	27.7	90	1.0	FAG50K355K324KL5
500	4.0	42	43	28	37.5	\	10.5	360	1080	4.8	26	28.3	90	1.0	FAG50K405K392KL5
500	4.5	42	43	28	37.5	\	10.5	405	1215	4.8	26	28.3	90	1.0	FAG50K455K392KL5
500	5.0	42	45	30	37.5	\	11.0	450	1350	4.5	26	27.5	90	1.0	FAG50K505K422KL5
500	5.5	42	50	35	37.5	20.3	12.5	495	1485	4.2	28	22.9	90	1.2	FAG50K555K474KD5
500	6.0	42	50	35	37.5	20.3	14.0	540	1620	3.8	28	20.1	90	1.2	FAG50K605K474KD5
500	7.0	57.5	45	30	52.5	20.3	12.5	420	1260	4.2	30	22.9	60	1.2	FAG50K705M164MD5
500	8.0	57.5	50	35	52.5	20.3	14.0	480	1440	3.8	32	20.1	60	1.2	FAG50K805M204MD5
500	9.0	57.5	50	35	52.5	20.3	16.0	540	1620	3.6	32	16.3	60	1.2	FAG50K905M204MD5
500	10	57.5	57.5	38	52.5	20.3	18.0	600	1800	3.4	32	13.6	60	1.2	FAG50K106M474MD5
500	12	57.5	57.5	38	52.5	20.3	20.0	720	2160	3.2	32	11.7	60	1.2	FAG50K126M474MD5
500	15	57.5	65	45	52.5	20.3	22.0	900	2700	3.0	32	10.3	60	1.2	FAG50K156M344MD5
600	0.15	32	18	9	27.5	\	1.5	24	72	45.0	16	148.1	160	0.8	FAG60K154G152GL5
600	0.22	32	20	11	27.5	\	2.5	35	106	24.0	16	100.0	160	0.8	FAG60K224G182GL5
600	0.33	32	22	13	27.5	\	2.8	53	158	21.5	16	89.0	160	0.8	FAG60K334G212GL5
600	0.47	32	24.5	15	27.5	\	3.2	75	226	15.5	16	94.5	160	0.8	FAG60K474G272GL5
600	0.56	32	28	14	27.5	\	4.0	90	269	12.5	18	75.0	160	0.8	FAG60K564G262GL5
600	0.68	32	28	18	27.5	\	4.8	109	326	10.8	18	60.3	160	0.8	FAG60K684G332GL5
600	0.82	32	33	18	27.5	\	6.0	131	394	7.0	20	59.5	160	0.8	FAG60K824G342GL5
600	1.0	32	33	18	27.5	\	6.0	160	480	7.0	20	59.5	160	0.8	FAG60K105G342GL5
600	1.2	32	37	22	27.5	\	7.0	192	576	5.8	22	52.8	160	1.0	FAG60K125G402GL5
600	1.0	42	30	16	37.5	\	4.5	100	300	12.8	24	57.9	100	1.0	FAG60K105K142KL5
600	1.2	42	32	19	37.5	\	6.0	120	360	8.8	24	47.3	100	1.0	FAG60K125K212KL5
600	1.5	42	32	19	37.5	\	6.5	150	450	8.6	24	41.3	100	1.0	FAG60K155K212KL5
600	1.8	42	37	22	37.5	\	7.0	180	540	8.0	24	38.3	100	1.0	FAG60K185K274KL5
600	2.0	42	37	22	37.5	\	8.0	200	600	7.0	24	33.5	100	1.0	FAG60K205K274KL5
600	2.2	42	44	24	37.5	\	9.0	220	660	6.5	24	28.5	100	1.0	FAG60K225K324KL5
600	2.5	42	44	24	37.5	\	9.5	250	750	6.0	24	27.7	100	1.0	FAG60K255K324KL5
600	2.8	42	43	28	37.5	\	10.0	280	840	5.5	26	27.3	100	1.0	FAG60K285K392KL5
600	3.0	42	45	30	37.5	\	10.5	300	900	5.0	26	27.2	100	1.0	FAG60K305K422KL5
600	3.5	42	50	35	37.5	20.3	12.5	350	1050	4.5	28	21.3	100	1.2	FAG60K335K474KD5
600	4.0	42	50	35	37.5	20.3	14.0	400	1200	4.0	28	19.1	100	1.2	FAG60K405K474KD5
600	4.5	57.5	45	30	52.5	20.3	12.5	315	945	4.5	30	21.3	70	1.2	FAG60K455M164MD5
600	5.0	57.5	45	30	52.5	20.3	13.5	350	1050	4.2	30	19.6	70	1.2	FAG60K505M164MD5
600	6.0	57.5	50	35	52.5	20.3	14.0	420	1260	4.0	32	19.1	70	1.2	FAG60K605M204MD5
600	6.5	57.5	50	35	52.5	20.3	16.0	455	1365	3.8	32	15.4	70	1.2	FAG60K655M204MD5
600	7.0	57.5	57.5	38	52.5	20.3	18.0	490	1470	3.6	32	12.9	70	1.2	FAG60K705M474MD5
600	7.5	57.5	57.5	38	52.5	20.3	19.0	525	1575	3.4	32	12.2	70	1.2	FAG60K755M474MD5
600	8.0	57.5	57.5	38	52.5	20.3	20.0	560	1680	3.2	32	11.7	70	1.2	FAG60K805M474MD5
600	10	57.5	65	45	52.5	20.3	22.0	700	2100	3.0	32	10.3	70	1.2	FAG60K106M344MD5
760	0.1	32	18	9	27.5	\	1.5	20	60	45.0	16	148.1	200	0.8	FAG76K104G152GL5
760	0.15	32	20	11	27.5	\	2.5	30	90	24.0	16	100.0	200	0.8	FAG76K154G182GL5
760	0.22	32	22	13	27.5	\	2.8	44	132	21.5	16	89.0	200	0.8	FAG76K224G212GL5
760	0.33	32	24.5	15	27.5	\	3.2	66	198	15.5	16	94.5	200	0.8	FAG76K334G272GL5
760	0.47	32	28	18	27.5	\	4.5	94	282	12.0	18	61.7	200	0.8	FAG76K474G332GL5
760	0.56	32	33	18	27.5	\	5.0	112	336	10.5	20	57.1	200	0.8	FAG76K564G342GL5
760	0.68	32	37	22	27.5	\	6.0	136	408	9.5	22	43.9	200	1.0	FAG76K684G402GL5
760	0.68	42	30	16	37.5	\	4.5	82	245	12.8	24	57.9	120	1.0	FAG76K684K142KL5
760	0.82	42	32	19	37.5	\	5.5	98	295	10.0	24	49.6	120	1.0	FAG76K824K212KL5
760	1.0	42	32	19	37.5	\	6.5	120	360	9.0	24	39.4	120	1.0	FAG76K105K212KL5
760	1.2	42	37	22	37.5	\	7.0	144	432	8.5	24	36.0	120	1.0	FAG76K125K274KL5
760	1.5	42	44	24	37.5	\	8.0	180	540	7.5	24	31.3	120	1.0	FAG76K155K324KL5
760	1.8	42	43	28	37.5	\	9.5	216	648	6.5	26	25.6	120	1.0	FAG76K185K392KL5
760	2.0	42	45	30	37.5	\	10.5	240	720	5.0	26	27.2	120	1.0	FAG76K205K422KL5
760	2.5	42	50	35	37.5	20.3	12.5	300	900	4.5	28	21.3	120	1.2	FAG76K255K474KD5
760	3.0	57.5	45	30	52.5	20.3	12.5	240	720	4.5	30	21.3	80	1.2	FAG76K305M164MD5

Rating and Part Number

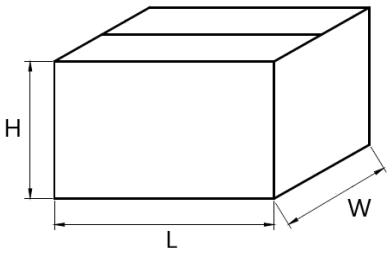
Vac	Cap Value μF	Dimensions W mm	H mm	T mm	P mm	P1 mm	Irms 10KHz A 70°C	Peak Current A	Surge Current A	$ESR_{Typical}$ 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
760	4.0	57.5	50	35	52.5	20.3	14.0	320	960	4.0	32	19.1	80	1.2	FAG76K405M204MD5
760	5.0	57.5	57.5	38	52.5	20.3	16.0	400	1200	3.6	32	16.3	80	1.2	FAG76K505M474MD5
760	6.0	57.5	55	45	52.5	20.3	18.0	480	1440	3.4	32	13.6	80	1.2	FAG76K605M324MD5
760	7.0	57.5	65	45	52.5	20.3	20.0	560	1680	3.2	32	11.7	80	1.2	FAG76K705M344MD5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity	
		W	H	T	Long Leads	Short Leads
27.5	G15	32	18	9	340	340
	G18	32	20	11	280	280
	G21	32	22	13	230	230
	G25	32	24	14	220	220
	G26	32	28	14	220	220
	G27	32	24.5	15	200	200
	G33	32	28	18	170	170
	G34	32	33	18	170	170
	G40	32	37	22	140	140
37.5	K14	42	30	16	133	133
	K21	42	32	19	112	112
	K27	42	37	22	98	98
	K32	42	44	24	91	91
	K39	42	43	28	77	77
	K42	42	45	30	70	70
	K47	42	50	35	63	63
52.5	M16	57.5	45	30	50	50
	M20	57.5	50	35	45	45
	M32	57.5	55	45	35	35
	M34	57.5	65	45	35	35
	M47	57.5	57.5	38	40	40

Overview

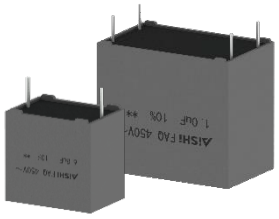
The FAQ capacitor is constructed of metallized polypropylene film encapsulated with epoxy resin in a plastic box, with 2 or 4 tinned copper wire. These FAQ series is suitable for harsh environment conditions and qualify in accordance to AEC-Q200D requirement.

Applications

Widely used in Clamping, AC and Harmonic Filtering, UPS Systems, Solar Inverter with LCL Filter and Motor Drive and automotive applications.

Features

- High ripple current
- Self-healing and low loss
- Optimized AC voltage performance
- Suitable for high frequency applications
- Suitable for harsh environment conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{RAC})
- Automotive Grade (AEC-Q200D)



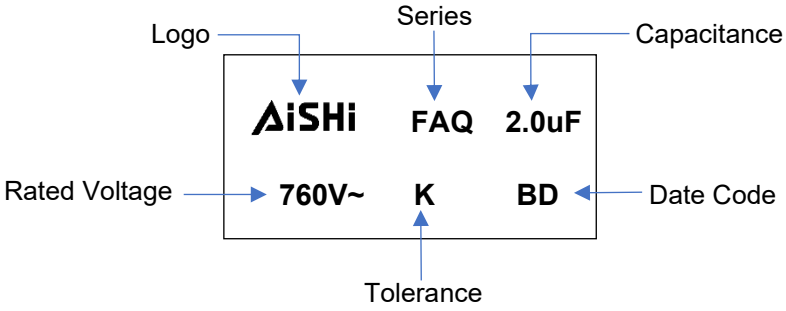
Qualification

Reference Standard	IEC 61071, EN 61071, AEC-Q200D
Climate Category	55/105/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	180Vac ~ 760Vac
Capacitance Range	0.1uF ~60uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-55°C ~ +105°C (85°C ~105°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	55/105/56 IEC 60068-1
Dissipation Factor	≤ 0.002 (0.20%) at 1 KHz. C≤20uF at +25°C ≤ 0.003 (0.30%) at 1 KHz. C>20uF at +25°C
Insulation Resistance	RC between leads, IR xC≥30,000 s at 100vdc 1minute at +25°C

Marking



Part Number System

F	AQ	76	K	205	K42	2KL	5
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	AC Filtering, AEC-Q200, Metallized PP Film	180=18 250=25 300=30 350=35 400=40 450=45 500=50 600=60 760=76	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

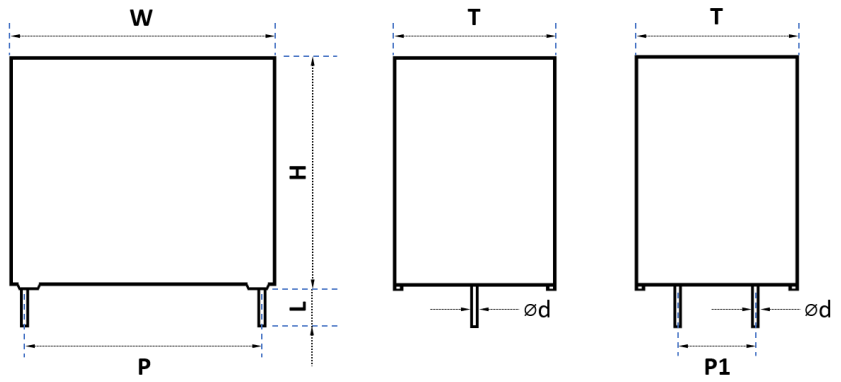
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	27.5mm	G	10.2mm	B
2 leads for straight cut	2	37.5mm	K	12.7mm	G
2 leads for forming cut	E	52.5mm	M	20.3mm	D
4 leads for straight cut	4	N/A	N	N/A	L
6 leads for straight cut	6				

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins **4 pins**

Size Code Table (mm)

Size Code	Dimension						Pitch				Ød		
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	P1	Tolerance	4 Leads	2 Leads	Tolerance
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	\	\	\	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	\	\	\	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	\	\	\	0.8	0.05
G25	32	0.8	24	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	\	\	\	0.8	0.05
G27	32	0.8	24.5	0.8	15	0.8	27.5	0.5	\	\	\	0.8	0.05
G33	32	0.8	28	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	\	\	\	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	10.2	0.5	1.0	1.0	0.05
K14	42	0.8	30	0.8	16	0.8	37.5	0.5	\	\	\	1.0	0.05
K21	42	0.8	32	0.8	19	0.8	37.5	0.5	\	\	\	1.0	0.05
K27	42	0.8	37	0.8	22	0.8	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K32	42	0.8	44	0.8	24	0.8	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K39	42	0.8	43	0.8	28	0.8	37.5	0.5	10.2	0.5	1.2	1.0	0.05
K42	42	0.8	45	0.8	30	0.8	37.5	0.5	20.3	0.5	1.2	1.0	0.05
K47	42	0.8	50	0.8	35	0.8	37.5	0.5	20.3	0.5	1.2	1.0	0.05
M16	57.5	1.0	45	1.0	30	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M20	57.5	1.0	50	1.0	35	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M32	57.5	1.0	55	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M34	57.5	1.0	65	1.0	45	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05
M47	57.5	1.0	57.5	1.0	38	1.0	52.5	0.5	20.3	0.5	1.2	1.2	0.05

Rating and Part Number

Vac	Cap Value	Dimensions					Irms	Peak Current	Surge Current	$ESR_{Typical}$	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
	μF	W	H	T	P	P1	10KHz			10KHz					
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
180	4.0	32	22	13	27.5	\	7.0	300	900	6.8	16	45.0	75	0.8	FAQ18K405G212GL5
180	5.0	32	28	18	27.5	\	8.0	375	1125	5.5	18	42.6	75	0.8	FAQ18K505G332GL5
180	6.8	32	33	18	27.5	\	11.0	510	1530	4.0	20	31.0	75	0.8	FAQ18K685G342GL5
180	10	32	37	22	27.5	\	13.0	750	2250	2.8	22	31.7	75	1.0	FAQ18K106G402GL5
180	10	42	32	19	37.5	\	10.0	450	1350	5.0	24	30.0	45	1.0	FAQ18K106K212KL5
180	15	42	37	22	37.5	\	14.0	675	2025	3.5	24	21.9	45	1.0	FAQ18K156K274KL5
180	18	42	44	24	37.5	\	14.0	810	2430	2.8	24	27.3	45	1.0	FAQ18K186K324KL5
180	20	42	44	24	37.5	\	15.0	900	2700	2.5	24	26.7	45	1.0	FAQ18K206K322KL5
180	22	42	44	24	37.5	\	15.0	990	2970	2.2	26	30.3	45	1.0	FAQ18K226K322KL5
180	25	42	45	30	37.5	\	15.0	1125	3375	2.0	26	33.3	45	1.0	FAQ18K256K422KL5
180	30	42	50	35	37.5	20.3	18.0	1350	4050	1.8	28	25.7	45	1.2	FAQ18K306K472KL5
180	33	42	50	35	37.5	20.3	18.0	1485	4455	1.6	28	28.9	45	1.2	FAQ18K336K472KL5
180	40	57.5	45	30	52.5	20.3	20.0	1000	3000	2.5	30	15.0	25	1.2	FAQ18K406M164MD5
180	50	57.5	50	35	52.5	20.3	24.0	1250	3750	2.2	32	11.8	25	1.2	FAQ18K506M204MD5
180	60	57.5	57.5	38	52.5	20.3	26.0	1500	4500	1.8	32	12.3	25	1.2	FAQ18K606M474MD5
250	1.0	32	18	9	27.5	\	3.0	90	270	16.5	16	101.0	90	0.8	FAQ25K105G152GL5
250	1.5	32	20	11	27.5	\	4.0	135	405	10.5	16	89.3	90	0.8	FAQ25K155G182GL5
250	2.0	32	22	13	27.5	\	5.0	180	540	8.5	16	70.6	90	0.8	FAQ25K205G212GL5
250	2.2	32	22	13	27.5	\	6.0	198	594	7.8	16	53.4	90	0.8	FAQ25K225G212GL5
250	2.5	32	22	13	27.5	\	6.0	225	675	7.5	16	55.6	90	0.8	FAQ25K255G212GL5
250	3.0	32	24.5	15	27.5	\	7.0	270	810	6.5	16	47.1	90	0.8	FAQ25K305G272GL5
250	3.3	32	24.5	15	27.5	\	8.0	297	891	6.2	16	37.8	90	0.8	FAQ25K335G272GL5
250	3.5	32	28	14	27.5	\	8.0	315	945	5.8	18	40.4	90	0.8	FAQ25K355G262GL5
250	4.0	32	28	18	27.5	\	10.0	360	1080	4.8	20	31.3	90	0.8	FAQ25K405G332GL5
250	4.5	32	33	18	27.5	\	10.0	405	1215	4.5	20	33.3	90	0.8	FAQ25K455G342GL5
250	5.0	32	33	18	27.5	\	11.0	450	1350	4.0	20	31.0	90	0.8	FAQ25K505G342GL5
250	6.8	32	37	22	27.5	\	14.0	612	1836	2.8	22	27.3	90	1.0	FAQ25K106G402GL5
250	4.7	42	30	16	37.5	\	7.0	282	846	7.5	24	40.8	60	1.0	FAQ25K475K142KL5
250	5.0	42	30	16	37.5	\	8.0	300	900	7.0	24	33.5	60	1.0	FAQ25K505K142KL5
250	6.0	42	30	16	37.5	\	9.0	360	1080	6.0	24	30.9	60	1.0	FAQ25K605K142KL5
250	6.5	42	30	16	37.5	\	10.0	390	1170	5.6	24	26.8	60	1.0	FAQ25K655K142KL5
250	6.8	42	32	19	37.5	\	10.5	408	1224	5.4	24	25.2	60	1.0	FAQ25K685K212KL5
250	7.5	42	32	19	37.5	\	11.0	450	1350	5.0	24	24.8	60	1.0	FAQ25K755K212KL5
250	8.0	42	37	22	37.5	\	12.0	480	1440	4.5	24	23.1	60	1.0	FAQ25K805K274KL5
250	10	42	37	22	37.5	\	13.0	600	1800	3.6	24	24.7	60	1.0	FAQ25K106K274KL5
250	12	42	44	24	37.5	\	14.0	720	2160	3.0	24	25.5	60	1.0	FAQ25K126K324KL5
250	15	42	44	24	37.5	\	14.0	900	2700	2.5	24	30.6	60	1.0	FAQ25K156K322KL5
250	18	42	43	28	37.5	\	15.0	1080	3240	2.2	26	30.3	60	1.0	FAQ25K186K392KL5
250	20	42	45	30	37.5	\	15.0	1200	3600	2.0	26	33.3	60	1.0	FAQ25K206K422KL5
250	22	42	50	35	37.5	20.3	18.0	1320	3960	1.8	28	25.7	60	1.2	FAQ25K226K474KD5
250	25	57.5	45	30	52.5	20.3	18.0	750	2250	3.2	30	14.5	30	1.2	FAQ25K256M164MD5
250	30	57.5	45	30	52.5	20.3	20.0	900	2700	2.8	30	13.4	30	1.2	FAQ25K306M164MD5
250	35	57.5	50	35	52.5	20.3	24.0	1050	3150	2.4	32	10.9	30	1.2	FAQ25K356M204MD5
250	40	57.5	57.5	38	52.5	20.3	26.0	1200	3600	2.0	32	11.1	30	1.2	FAQ25K406M474MD5
300	1.0	32	20	11	27.5	\	4.0	90	270	12.5	16	75.0	90	0.8	FAQ30K105G182GL5
300	1.5	32	22	13	27.5	\	5.0	135	405	8.5	16	70.6	90	0.8	FAQ30K155G212GL5
300	2.0	32	24.5	15	27.5	\	6.0	180	540	7.5	16	55.6	90	0.8	FAQ30K205G272GL5
300	2.2	32	24.5	15	27.5	\	7.0	198	594	6.8	16	45.0	90	0.8	FAQ30K225G272GL5
300	2.5	32	28	14	27.5	\	8.0	225	675	6.5	18	36.1	90	0.8	FAQ30K255G262GL5
300	3.0	32	28	18	27.5	\	9.0	270	810	6.0	20	30.9	90	0.8	FAQ30K305G332GL5
300	3.3	32	33	18	27.5	\	10.0	297	891	4.8	20	31.3	90	0.8	FAQ30K335G342GL5
300	3.5	32	33	18	27.5	\	10.5	315	945	4.6	20	29.6	90	0.8	FAQ30K355G342GL5
300	4.0	32	33	18	27.5	\	11.0	360	1080	4.2	20	29.5	90	0.8	FAQ30K405G342GL5
300	4.7	32	37	22	27.5	\	13.0	423	1269	3.8	22	23.4	90	1.0	FAQ30K475G402GL5
300	5.0	32	37	22	27.5	\	13.5	450	1350	3.6	22	22.9	90	1.0	FAQ30K505G402GL5
300	5.6	32	37	22	27.5	\	14.0	504	1512	3.0	22	25.5	90	1.0	FAQ30K565G402GL5

Rating and Part Number

Vac	Cap Value	Dimensions					Irms	Peak Current	Surge Current	$ESR_{Typical}$	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
	μF	W	H	T	P	P1	10KHz			10KHz					
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
300	3.0	42	30	16	37.5	\	6.0	180	540	9.0	24	46.3	60	1.0	FAQ30K305K142KL5
300	3.3	42	30	16	37.5	\	7.0	198	594	8.5	24	36.0	60	1.0	FAQ30K335K142KL5
300	3.5	42	30	16	37.5	\	7.0	210	630	8.0	24	38.3	60	1.0	FAQ30K355K142KL5
300	4.0	42	30	16	37.5	\	8.0	240	720	6.8	24	34.5	60	1.0	FAQ30K405K142KL5
300	4.5	42	30	16	37.5	\	9.0	270	810	6.0	24	30.9	60	1.0	FAQ30K455K142KL5
300	4.7	42	30	16	37.5	\	9.0	282	846	5.8	24	31.9	60	1.0	FAQ30K475K142KL5
300	5.0	42	32	19	37.5	\	10.0	300	900	5.5	24	27.3	60	1.0	FAQ30K505K212KL5
300	6.0	42	32	19	37.5	\	11.0	360	1080	5.0	24	24.8	60	1.0	FAQ30K605K212KL5
300	6.8	42	37	22	37.5	\	12.0	408	1224	4.5	24	23.1	60	1.0	FAQ30K685K274KL5
300	8.0	42	37	22	37.5	\	13.0	480	1440	3.6	24	24.7	60	1.0	FAQ30K805K274KL5
300	10	42	44	24	37.5	\	14.0	600	1800	3.0	24	25.5	60	1.0	FAQ30K106K324KL5
300	12	42	43	28	37.5	\	15.0	720	2160	2.4	26	27.8	60	1.0	FAQ30K126K392KL5
300	15	42	45	30	37.5	\	15.0	900	2700	2.2	26	30.3	60	1.0	FAQ30K156K422KL5
300	18	42	50	35	37.5	20.3	18.0	1080	3240	2.0	28	23.1	60	1.2	FAQ30K186K474KD5
300	18	57.5	45	30	52.5	20.3	16.0	540	1620	3.5	30	16.7	30	1.2	FAQ30K186M164MD5
300	20	57.5	45	30	52.5	20.3	18.0	600	1800	3.2	30	14.5	30	1.2	FAQ30K206M164MD5
300	25	57.5	50	35	52.5	20.3	20.0	750	2250	3.0	32	12.5	30	1.2	FAQ30K256M204MD5
300	30	57.5	57.5	38	52.5	20.3	24.0	900	2700	2.4	32	10.9	30	1.2	FAQ30K306M474MD5
350	0.33	32	18	9	27.5	\	1.5	33	99	45.0	16	148.1	100	0.8	FAQ35K334G152GL5
350	0.39	32	18	9	27.5	\	1.6	39	117	40.0	16	146.5	100	0.8	FAQ35K394G152GL5
350	0.47	32	18	9	27.5	\	2.0	47	141	35.0	16	107.1	100	0.8	FAQ35K474G152GL5
350	0.68	32	20	11	27.5	\	2.5	68	204	24.0	16	100.0	100	0.8	FAQ35K684G182GL5
350	0.82	32	22	13	27.5	\	3.0	82	246	20.5	16	81.3	100	0.8	FAQ35K824G212GL5
350	1.0	32	22	13	27.5	\	3.2	100	300	15.5	16	94.5	100	0.8	FAQ35K105G212GL5
350	1.5	32	24.5	15	27.5	\	4.0	150	450	13.0	16	72.1	100	0.8	FAQ35K155G272GL5
350	2.0	32	28	18	27.5	\	4.8	200	600	10.8	18	60.3	100	0.8	FAQ35K205G332GL5
350	2.2	32	28	18	27.5	\	5.0	220	660	10.2	18	58.8	100	0.8	FAQ35K225G332GL5
350	2.5	32	33	18	27.5	\	6.0	250	750	7.0	20	59.5	100	0.8	FAQ35K255G342GL5
350	3.0	32	37	22	27.5	\	7.0	300	900	5.8	22	52.8	100	1.0	FAQ35K305G402GL5
350	3.3	32	37	22	27.5	\	7.5	330	990	5.2	22	51.3	100	1.0	FAQ35K335G402GL5
350	3.5	32	37	22	27.5	\	7.8	350	1050	5.0	22	49.3	100	1.0	FAQ35K355G402GL5
350	4.0	32	37	22	27.5	\	8.0	400	1200	4.5	22	52.1	100	1.0	FAQ35K405G402GL5
350	2.0	42	30	16	37.5	\	4.5	140	420	12.8	24	57.9	70	1.0	FAQ35K205K142KL5
350	2.2	42	30	16	37.5	\	4.8	154	462	12.5	24	52.1	70	1.0	FAQ35K225K142KL5
350	2.5	42	30	16	37.5	\	5.2	175	525	11.8	24	47.0	70	1.0	FAQ35K255K142KL5
350	3.0	42	30	16	37.5	\	5.5	210	630	10.8	24	45.9	70	1.0	FAQ35K305K142KL5
350	3.3	42	30	16	37.5	\	6.0	231	693	8.8	24	47.3	70	1.0	FAQ35K335K142KL5
350	3.5	42	30	16	37.5	\	6.5	245	735	8.6	24	41.3	70	1.0	FAQ35K355K142KL5
350	4.0	42	32	19	37.5	\	7.0	280	840	8.0	24	38.3	70	1.0	FAQ35K405K212KL5
350	4.5	42	37	22	37.5	\	8.0	315	945	7.0	24	33.5	70	1.0	FAQ35K455K274KL5
350	5.0	42	37	22	37.5	\	8.5	350	1050	6.8	24	30.5	70	1.0	FAQ35K505K274KL5
350	5.5	42	37	22	37.5	\	8.8	385	1155	6.4	24	30.3	70	1.0	FAQ35K555K274KL5
350	6.0	42	44	24	37.5	\	9.5	420	1260	6.0	24	27.7	70	1.0	FAQ35K605K324KL5
350	6.5	42	44	24	37.5	\	10.0	455	1365	5.5	24	27.3	70	1.0	FAQ35K655K324KL5
350	7.0	42	44	24	37.5	\	10.5	490	1470	5.2	24	26.2	70	1.0	FAQ35K705K324KL5
350	8.0	42	44	24	37.5	\	10.5	560	1680	5.2	24	26.2	70	1.0	FAQ35K805K324KL5
350	8.5	42	43	28	37.5	\	11.0	595	1785	4.8	26	25.8	70	1.0	FAQ35K855K392KL5
350	9.0	42	43	28	37.5	\	11.0	630	1890	4.6	26	26.9	70	1.0	FAQ35K905K392KL5
350	9.5	42	45	30	37.5	\	11.5	665	1995	4.4	26	25.8	70	1.0	FAQ35K955K422KL5
350	10	42	45	30	37.5	\	12.0	700	2100	4.2	26	24.8	70	1.0	FAQ35K106K422KL5
350	12	42	50	35	37.5	20.3	14.0	840	2520	3.6	28	21.3	70	1.2	FAQ35K126K474KD5
350	15	57.5	45	30	52.5	20.3	16.5	600	1800	3.5	30	15.7	40	1.2	FAQ35K156M164MD5
350	18	57.5	50	35	52.5	20.3	18.0	720	2160	3.0	32	15.4	40	1.2	FAQ35K186M204MD5
350	20	57.5	57.5	38	52.5	20.3	20.0	800	2400	2.8	32	13.4	40	1.2	FAQ35K206M474MD5
350	22	57.5	57.5	38	52.5	20.3	22.0	880	2640	2.6	32	11.9	40	1.2	FAQ35K226M474MD5
350	25	57.5	55	45	52.5	20.3	24.0	1000	3000	2.4	32	10.9	40	1.2	FAQ35K256M324MD5

Rating and Part Number

Vac	Cap Value	Dimensions					Irms	Peak Current	Surge Current	$ESR_{Typical}$	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
	μF	W	H	T	P	P1	10KHz			10KHz					
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
350	30	57.5	65	45	52.5	20.3	26.0	1200	3600	2.2	32	10.1	40	1.2	FAQ35K306M344MD5
400	0.33	32	18	9	27.5	\	1.5	40	119	45.0	16	148.1	120	0.8	FAQ40K334G152GL5
400	0.39	32	18	9	27.5	\	1.6	47	140	40.0	16	146.5	120	0.8	FAQ40K394G152GL5
400	0.47	32	18	9	27.5	\	2.0	56	169	35.0	16	107.1	120	0.8	FAQ40K474G152GL5
400	0.68	32	20	11	27.5	\	2.5	82	245	24.0	16	100.0	120	0.8	FAQ40K684G182GL5
400	0.82	32	22	13	27.5	\	3.0	98	295	20.5	16	81.3	120	0.8	FAQ40K824G212GL5
400	1.0	32	24	14	27.5	\	3.2	120	360	15.5	16	94.5	120	0.8	FAQ40K105G252GL5
400	1.5	32	28	18	27.5	\	4.8	180	540	10.8	18	60.3	120	0.8	FAQ40K155G332GL5
400	2.0	32	33	18	27.5	\	6.0	240	720	7.0	20	59.5	120	0.8	FAQ40K205G342GL5
400	2.2	32	33	18	27.5	\	6.0	264	792	7.0	20	59.5	120	0.8	FAQ40K225G342GL5
400	2.5	32	37	22	27.5	\	7.0	300	900	5.8	22	52.8	120	1.0	FAQ40K255G402GL5
400	3.0	32	37	22	27.5	\	7.5	360	1080	5.2	22	51.3	120	1.0	FAQ40K305G402GL5
400	2.0	42	30	16	37.5	\	4.5	160	480	12.8	24	57.9	80	1.0	FAQ40K205K142KL5
400	2.2	42	30	16	37.5	\	4.8	176	528	12.5	24	52.1	80	1.0	FAQ40K225K142KL5
400	2.5	42	30	16	37.5	\	5.2	200	600	11.8	24	47.0	80	1.0	FAQ40K255K142KL5
400	3.0	42	32	19	37.5	\	6.0	240	720	8.8	24	47.3	80	1.0	FAQ40K305K212KL5
400	3.3	42	32	19	37.5	\	6.5	264	792	8.6	24	41.3	80	1.0	FAQ40K335K212KL5
400	3.5	42	37	22	37.5	\	7.0	280	840	8.0	24	38.3	80	1.0	FAQ40K355K274KL5
400	4.0	42	37	22	37.5	\	8.0	320	960	7.0	24	33.5	80	1.0	FAQ40K405K274KL5
400	4.5	42	37	22	37.5	\	8.5	360	1080	6.8	24	30.5	80	1.0	FAQ40K455K274KL5
400	5.0	42	44	24	37.5	\	9.5	400	1200	6.0	24	27.7	80	1.0	FAQ40K505K324KL5
400	5.5	42	44	24	37.5	\	10.0	440	1320	5.5	24	27.3	80	1.0	FAQ40K555K324KL5
400	6.0	42	43	28	37.5	\	10.5	480	1440	4.8	26	28.3	80	1.0	FAQ40K605K392KL5
400	6.5	42	43	28	37.5	\	10.5	520	1560	4.6	26	29.6	80	1.0	FAQ40K655K392KL5
400	7.0	42	43	28	37.5	\	11.0	560	1680	4.4	26	28.2	80	1.0	FAQ40K705K392KL5
400	7.5	42	45	30	37.5	\	11.0	600	1800	4.4	26	28.2	80	1.0	FAQ40K755K422KL5
400	8.0	42	45	30	37.5	\	11.5	640	1920	4.2	26	27.0	80	1.0	FAQ40K805K422KL5
400	9.0	42	50	35	37.5	20.3	12.5	720	2160	4.0	28	24.0	80	1.2	FAQ40K905K474KD5
400	10	42	50	35	37.5	20.3	14.0	800	2400	3.6	28	21.3	80	1.2	FAQ40K106K474KD5
400	10	57.5	45	30	52.5	20.3	12.5	500	1500	4.2	30	22.9	50	1.2	FAQ40K106M164MD5
400	12	57.5	50	35	52.5	20.3	14.0	600	1800	3.8	32	20.1	50	1.2	FAQ40K126M204MD5
400	14	57.5	50	35	52.5	20.3	16.0	700	2100	3.6	32	16.3	50	1.2	FAQ40K146M204MD5
400	18	57.5	57.5	38	52.5	20.3	20.0	900	2700	3.0	32	12.5	50	1.2	FAQ40K186M474MD5
400	20	57.5	55	45	52.5	20.3	22.0	1000	3000	2.8	32	11.1	50	1.2	FAQ40K206M324MD5
400	22	57.5	65	45	52.5	20.3	24.0	1100	3300	2.5	32	10.4	50	1.2	FAQ40K226M344MD5
400	25	57.5	65	45	52.5	20.3	26.0	1250	3750	2.2	32	10.1	50	1.2	FAQ40K256M344MD5
500	0.22	32	18	9	27.5	\	1.5	31	92	45.0	16	148.1	140	0.8	FAQ50K224G152GL5
500	0.27	32	18	9	27.5	\	1.6	38	113	40.0	16	146.5	140	0.8	FAQ50K274G152GL5
500	0.33	32	20	11	27.5	\	2.5	46	139	24.0	16	100.0	140	0.8	FAQ50K334G182GL5
500	0.39	32	20	11	27.5	\	2.5	55	164	24.0	16	100.0	140	0.8	FAQ50K394G182GL5
500	0.47	32	22	13	27.5	\	2.8	66	197	21.5	16	89.0	140	0.8	FAQ50K474G212GL5
500	0.56	32	22	13	27.5	\	3.0	78	235	20.5	16	81.3	140	0.8	FAQ50K564G212GL5
500	0.68	32	24.5	15	27.5	\	3.5	95	286	15.5	16	79.0	140	0.8	FAQ50K684G272GL5
500	0.82	32	28	18	27.5	\	4.8	115	344	12.5	18	52.1	140	0.8	FAQ50K824G332GL5
500	1.0	32	33	18	27.5	\	6.0	140	420	9.0	20	46.3	140	0.8	FAQ50K105G342GL5
500	1.2	32	33	18	27.5	\	6.0	168	504	9.0	20	46.3	140	0.8	FAQ50K125G342GL5
500	1.5	32	37	22	27.5	\	7.0	210	630	8.5	22	36.0	140	1.0	FAQ50K155G402GL5
500	1.8	32	37	22	27.5	\	7.5	252	756	7.8	22	34.2	140	1.0	FAQ50K185G402GL5
500	1.0	42	30	16	37.5	\	4.5	90	270	12.8	24	57.9	90	1.0	FAQ50K105K142KL5
500	1.2	42	30	16	37.5	\	4.8	108	324	12.5	24	52.1	90	1.0	FAQ50K125K142KL5
500	1.5	42	30	16	37.5	\	5.2	135	405	11.8	24	47.0	90	1.0	FAQ50K155K142KL5
500	1.8	42	32	19	37.5	\	6.0	162	486	9.0	24	46.3	90	1.0	FAQ50K185K212KL5
500	2.0	42	32	19	37.5	\	6.5	180	540	8.6	24	41.3	90	1.0	FAQ50K205K212KL5
500	2.5	42	37	22	37.5	\	7.0	225	675	8.0	24	38.3	90	1.0	FAQ50K255K274KL5
500	2.8	42	37	22	37.5	\	8.0	252	756	7.0	24	33.5	90	1.0	FAQ50K285K274KL5
500	3.0	42	37	22	37.5	\	8.5	270	810	6.8	24	30.5	90	1.0	FAQ50K305K274KL5

Rating and Part Number

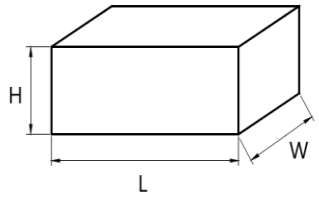
Vac	Cap Value	Dimensions					Irms	Peak Current	Surge Current	$ESR_{Typical}$	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1	10KHz			10KHz					
	μF	mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
500	3.5	42	44	24	37.5	\	9.5	315	945	6.0	24	27.7	90	1.0	FAQ50K355K324KL5
500	4.0	42	43	28	37.5	\	10.5	360	1080	4.8	26	28.3	90	1.0	FAQ50K405K392KL5
500	4.5	42	43	28	37.5	\	10.5	405	1215	4.8	26	28.3	90	1.0	FAQ50K455K392KL5
500	5.0	42	45	30	37.5	\	11.0	450	1350	4.5	26	27.5	90	1.0	FAQ50K505K422KL5
500	5.5	42	50	35	37.5	20.3	12.5	495	1485	4.2	28	22.9	90	1.2	FAQ50K555K474KD5
500	6.0	42	50	35	37.5	20.3	14.0	540	1620	3.8	28	20.1	90	1.2	FAQ50K605K474KD5
500	7.0	57.5	45	30	52.5	20.3	12.5	420	1260	4.2	30	22.9	60	1.2	FAQ50K705M164MD5
500	8.0	57.5	50	35	52.5	20.3	14.0	480	1440	3.8	32	20.1	60	1.2	FAQ50K805M204MD5
500	9.0	57.5	50	35	52.5	20.3	16.0	540	1620	3.6	32	16.3	60	1.2	FAQ50K905M204MD5
500	10	57.5	57.5	38	52.5	20.3	18.0	600	1800	3.4	32	13.6	60	1.2	FAQ50K106M474MD5
500	12	57.5	57.5	38	52.5	20.3	20.0	720	2160	3.2	32	11.7	60	1.2	FAQ50K126M474MD5
500	15	57.5	65	45	52.5	20.3	22.0	900	2700	3.0	32	10.3	60	1.2	FAQ50K156M344MD5
600	0.15	32	18	9	27.5	\	1.5	24	72	45.0	16	148.1	160	0.8	FAQ60K154G152GL5
600	0.22	32	20	11	27.5	\	2.5	35	106	24.0	16	100.0	160	0.8	FAQ60K224G182GL5
600	0.33	32	22	13	27.5	\	2.8	53	158	21.5	16	89.0	160	0.8	FAQ60K334G212GL5
600	0.47	32	24.5	15	27.5	\	3.2	75	226	15.5	16	94.5	160	0.8	FAQ60K474G272GL5
600	0.56	32	28	14	27.5	\	4.0	90	269	12.5	18	75.0	160	0.8	FAQ60K564G262GL5
600	0.68	32	28	18	27.5	\	4.8	109	326	10.8	18	60.3	160	0.8	FAQ60K684G332GL5
600	0.82	32	33	18	27.5	\	6.0	131	394	7.0	20	59.5	160	0.8	FAQ60K824G342GL5
600	1.0	32	33	18	27.5	\	6.0	160	480	7.0	20	59.5	160	0.8	FAQ60K105G342GL5
600	1.2	32	37	22	27.5	\	7.0	192	576	5.8	22	52.8	160	1.0	FAQ60K125G402GL5
600	1.0	42	30	16	37.5	\	4.5	100	300	12.8	24	57.9	100	1.0	FAQ60K105K142KL5
600	1.2	42	32	19	37.5	\	6.0	120	360	8.8	24	47.3	100	1.0	FAQ60K125K212KL5
600	1.5	42	32	19	37.5	\	6.5	150	450	8.6	24	41.3	100	1.0	FAQ60K155K212KL5
600	1.8	42	37	22	37.5	\	7.0	180	540	8.0	24	38.3	100	1.0	FAQ60K185K274KL5
600	2.0	42	37	22	37.5	\	8.0	200	600	7.0	24	33.5	100	1.0	FAQ60K205K274KL5
600	2.2	42	44	24	37.5	\	9.0	220	660	6.5	24	28.5	100	1.0	FAQ60K225K324KL5
600	2.5	42	44	24	37.5	\	9.5	250	750	6.0	24	27.7	100	1.0	FAQ60K255K324KL5
600	2.8	42	43	28	37.5	\	10.0	280	840	5.5	26	27.3	100	1.0	FAQ60K285K392KL5
600	3.0	42	45	30	37.5	\	10.5	300	900	5.0	26	27.2	100	1.0	FAQ60K305K422KL5
600	3.5	42	50	35	37.5	20.3	12.5	350	1050	4.5	28	21.3	100	1.2	FAQ60K335K474KD5
600	4.0	42	50	35	37.5	20.3	14.0	400	1200	4.0	28	19.1	100	1.2	FAQ60K405K474KD5
600	4.5	57.5	45	30	52.5	20.3	12.5	315	945	4.5	30	21.3	70	1.2	FAQ60K455M164MD5
600	5.0	57.5	45	30	52.5	20.3	13.5	350	1050	4.2	30	19.6	70	1.2	FAQ60K505M164MD5
600	6.0	57.5	50	35	52.5	20.3	14.0	420	1260	4.0	32	19.1	70	1.2	FAQ60K605M204MD5
600	6.5	57.5	50	35	52.5	20.3	16.0	455	1365	3.8	32	15.4	70	1.2	FAQ60K655M204MD5
600	7.0	57.5	57.5	38	52.5	20.3	18.0	490	1470	3.6	32	12.9	70	1.2	FAQ60K705M474MD5
600	7.5	57.5	57.5	38	52.5	20.3	19.0	525	1575	3.4	32	12.2	70	1.2	FAQ60K755M474MD5
600	8.0	57.5	57.5	38	52.5	20.3	20.0	560	1680	3.2	32	11.7	70	1.2	FAQ60K805M474MD5
600	10	57.5	65	45	52.5	20.3	22.0	700	2100	3.0	32	10.3	70	1.2	FAQ60K106M344MD5
760	0.1	32	18	9	27.5	\	1.5	20	60	45.0	16	148.1	200	0.8	FAQ76K104G152GL5
760	0.15	32	20	11	27.5	\	2.5	30	90	24.0	16	100.0	200	0.8	FAQ76K154G182GL5
760	0.22	32	22	13	27.5	\	2.8	44	132	21.5	16	89.0	200	0.8	FAQ76K224G212GL5
760	0.33	32	24.5	15	27.5	\	3.2	66	198	15.5	16	94.5	200	0.8	FAQ76K334G272GL5
760	0.47	32	28	18	27.5	\	4.5	94	282	12.0	18	61.7	200	0.8	FAQ76K474G332GL5
760	0.56	32	33	18	27.5	\	5.0	112	336	10.5	20	57.1	200	0.8	FAQ76K564G342GL5
760	0.68	32	37	22	27.5	\	6.0	136	408	9.5	22	43.9	200	1.0	FAQ76K684G402GL5
760	0.68	42	30	16	37.5	\	4.5	82	245	12.8	24	57.9	120	1.0	FAQ76K684K142KL5
760	0.82	42	32	19	37.5	\	5.5	98	295	10.0	24	49.6	120	1.0	FAQ76K824K212KL5
760	1.0	42	32	19	37.5	\	6.5	120	360	9.0	24	39.4	120	1.0	FAQ76K105K212KL5
760	1.2	42	37	22	37.5	\	7.0	144	432	8.5	24	36.0	120	1.0	FAQ76K125K274KL5
760	1.5	42	44	24	37.5	\	8.0	180	540	7.5	24	31.3	120	1.0	FAQ76K155K324KL5
760	1.8	42	43	28	37.5	\	9.5	216	648	6.5	26	25.6	120	1.0	FAQ76K185K392KL5
760	2.0	42	45	30	37.5	\	10.5	240	720	5.0	26	27.2	120	1.0	FAQ76K205K422KL5
760	2.5	42	50	35	37.5	20.3	12.5	300	900	4.5	28	21.3	120	1.2	FAQ76K255K474KD5
760	3.0	57.5	45	30	52.5	20.3	12.5	240	720	4.5	30	21.3	80	1.2	FAQ76K305M164MD5

Rating and Part Number

Vac	Cap Value µF	Dimensions					Irms 10KHz	Peak Current	Surge Current	$ESR_{Typical}$ 10KHz	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
		W	H	T	P	P1									
		mm	mm	mm	mm	mm	A 70°C	A	A	mΩ	nH	°C/W	V/us	mm	
760	4.0	57.5	50	35	52.5	20.3	14.0	320	960	4.0	32	19.1	80	1.2	FAQ76K405M204MD5
760	5.0	57.5	57.5	38	52.5	20.3	16.0	400	1200	3.6	32	16.3	80	1.2	FAQ76K505M474MD5
760	6.0	57.5	55	45	52.5	20.3	18.0	480	1440	3.4	32	13.6	80	1.2	FAQ76K605M324MD5
760	7.0	57.5	65	45	52.5	20.3	20.0	560	1680	3.2	32	11.7	80	1.2	FAQ76K705M344MD5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
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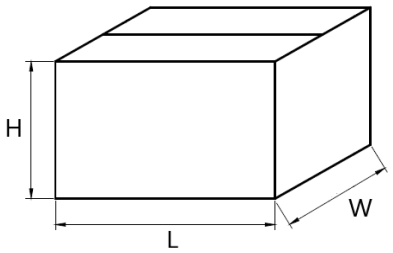
# 2	370	360	350



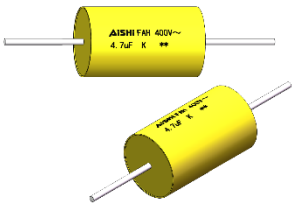
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity	
		W	H	T	Long Leads	Short Leads
27.5	G15	32	18	9	340	340
	G18	32	20	11	280	280
	G21	32	22	13	230	230
	G25	32	24	14	220	220
	G26	32	28	14	220	220
	G27	32	24.5	15	200	200
	G33	32	28	18	170	170
	G34	32	33	18	170	170
	G40	32	37	22	140	140
37.5	K14	42	30	16	133	133
	K21	42	32	19	112	112
	K27	42	37	22	98	98
	K32	42	44	24	91	91
	K39	42	43	28	77	77
	K42	42	45	30	70	70
	K47	42	50	35	63	63
52.5	M16	57.5	45	30	50	50
	M20	57.5	50	35	45	45
	M32	57.5	55	45	35	35
	M34	57.5	65	45	35	35
	M47	57.5	57.5	38	40	40

Overview
The FAH capacitor is constructed of metallized polypropylene film encapsulated with polyester tape wrapping filled with epoxy resin and tinned copper wire.

Applications
Widely used in Clamping, AC and Harmonic Filtering and UPS Systems. Suitable for harsh environmental conditions.

Features
- High ripple current
- Self-healing and low loss
- Optimized AC voltage performance
- Suitable for high frequency applications



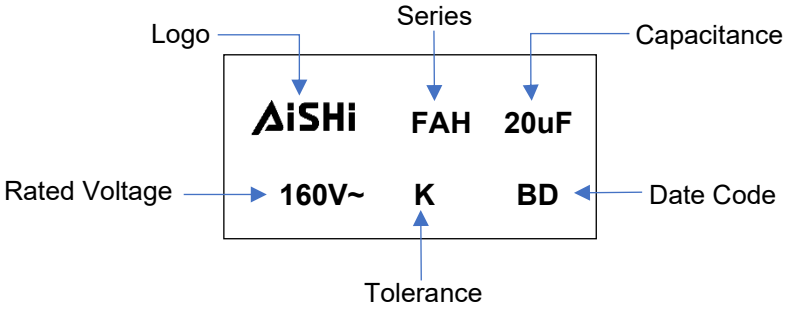
Qualification

Reference Standard	IEC 61071
Climate Category	40/85/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	160Vac ~ 450Vac
Capacitance Range	0.15uF ~40uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.35% per °C for Urms)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤ 0.002 (0.20%) at 1 KHz. C≤20uF at +25°C ≤ 0.003 (0.30%) at 1 KHz. C>20uF at +25°C
Insulation Resistance	RC between leads, IR xC≥30,000 s at 100vdc 1minute at +25°C

Marking



Part Number System

F	AH	16	K	106	048	XLL	B
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code (L)	Terminal Code	Lead Length Code
F = Film	AC Filtering, Axial THB Type, Metallized PP Film	160=16 250=25 275=27 350=35 400=40 450=45	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	34mm=034 48mm=048 58mm=058	Refer to Terminal Code Table	Refer to Lead Length Code Table

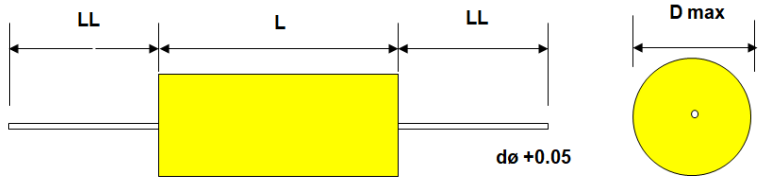
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
Axial Lead	X	NA	N	NA	L

Lead Length Code

Lead Length	
20.0mm min	L
35.0mm min	B
NA	N

Dimension (mm)



Rating and Part Number

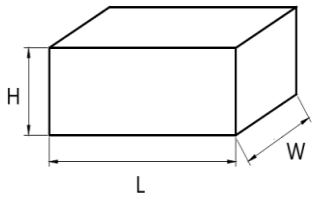
Vac	Cap Value	Dimensions		Irms 10KHz	Peak Current	ESR 10K Typical	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
	μF	D	L								
		mm max	mm max	70°C A	A	mΩ	nH	°C/W	V/us	mm	
160	1.0	10.0	34.0	6.0	60.0	8.7	12.0	47.9	30	0.8	FAH16K105034XNLB
160	2.2	11.5	34.0	6.0	66.0	14.2	20.0	29.3	30	0.8	FAH16K225034XNLB
160	2.5	12.0	34.0	7.0	75.0	12.7	20.0	24.1	30	0.8	FAH16K255034XNLB
160	3.0	13.5	34.0	8.0	90.0	10.7	20.0	21.9	30	1.0	FAH16K305034XNLB
160	3.3	14.0	34.0	9.0	99.0	9.8	20.0	18.9	30	1.0	FAH16K335034XNLB
160	4.0	15.5	34.0	9.0	120.0	8.3	20.0	22.3	30	1.0	FAH16K405034XNLB
160	5.0	17.0	34.0	9.0	150.0	7.0	20.0	26.5	30	1.0	FAH16K505034XNLB
160	6.8	19.5	34.0	9.0	204.0	5.7	20.0	32.5	30	1.0	FAH16K685034XNLB
160	8	18.0	48.0	9.0	160.0	6.9	25.0	26.8	20	1.0	FAH16K805048XNLB
160	10	20.0	48.0	9.0	200.0	12.4	25.0	14.9	20	1.0	FAH16K106048XNLB
160	15	24.0	48.0	12.0	300.0	5.1	25.0	20.4	20	1.2	FAH16K156048XNLB
160	18	26.0	48.0	12.0	360.0	4.4	25.0	23.7	20	1.2	FAH16K186048XNLB
160	20	28.0	48.0	12.0	400.0	10.7	25.0	9.7	20	1.2	FAH16K206048XNLB
160	25	31.0	48.0	12.0	500.0	4.0	25.0	26	20	1.2	FAH16K256048XNLB
160	30	29.0	58.0	12.0	450.0	5.2	30.0	20	15	1.2	FAH16K306058XNLB
160	35	33.5	58.0	12.0	525.0	4.6	30.0	22.6	15	1.2	FAH16K356058XNLB
160	40	36.0	58.0	12.0	600.0	8.8	30.0	11.8	15	1.2	FAH16K406058XNLB
250	0.47	9.5	34.0	6.0	28.2	14.4	15.0	28.9	45	0.8	FAH25K474034XNLB
250	0.68	10.0	34.0	6.0	30.6	15.2	20.0	27.4	45	0.8	FAH25K684034XNLB
250	0.82	11.0	34.0	6.5	36.9	13.8	20.0	26.5	45	0.8	FAH25K824034XNLB
250	1.0	12.0	34.0	7.0	45.0	10.8	20.0	28.3	45	0.8	FAH25K105034XNLB
250	1.5	14.5	34.0	9.0	67.5	75.0	20.0	24.7	45	1.0	FAH25K155034XNLB
250	2.0	16.5	34.0	9.0	90.0	6.1	20.0	30.4	45	1.0	FAH25K205034XNLB
250	2.2	17.5	34.0	9.0	99.0	5.7	20.0	32.5	45	1.0	FAH25K225034XNLB
250	2.5	18.5	34.0	9.0	112.5	5.2	20.0	35.6	45	1.0	FAH25K255034XNLB
250	3.0	20.0	34.0	9.0	135.0	4.7	20.0	39.4	45	1.0	FAH25K305034XNLB
250	3.3	18.0	48.0	9.0	99.0	6.8	25.0	27.2	30	1.0	FAH25K335048XNLB
250	4.0	19.5	48.0	9.0	120.0	6.0	25.0	30.9	30	1.0	FAH25K405048XNLB
250	4.7	21.0	48.0	9.0	141.0	5.3	25.0	34.9	30	1.0	FAH25K475048XNLB
250	5.0	21.5	48.0	9.0	150.0	5.2	25.0	35.6	30	1.0	FAH25K505048XNLB
250	6.8	25.0	48.0	12.0	204.0	4.2	25.0	24.8	30	1.2	FAH25K685048XNLB
250	10	30.0	48.0	12.0	300.0	3.5	25.0	29.8	30	1.2	FAH25K106048XNLB
250	15	31.5	58.0	12.0	300.0	6.2	30.0	16.8	20	1.2	FAH25K156058XNLB
250	20	35.0	58.0	12.0	400.0	5.2	30.0	20	20	1.2	FAH25K206058XNLB
330	0.47	11.0	34.0	6.0	28.2	17.0	20.0	24.5	60	0.8	FAH33K474034XNLB
330	0.68	13.0	34.0	7.0	40.8	12.2	20.0	25.1	60	0.8	FAH33K684034XNLB
330	1.0	15.5	34.0	9.0	60.0	8.6	20.0	21.5	60	1.0	FAH33K105034XNLB
330	2.0	18.5	48.0	9.0	80.0	8.2	25.0	22.6	40	1.0	FAH33K205048XNLB
330	2.2	19.5	48.0	9.0	88.0	6.8	25.0	27.2	40	1.0	FAH33K225048XNLB
330	3.0	22.5	48.0	9.0	120.0	6.2	25.0	29.9	40	1.0	FAH33K305048XNLB
330	3.3	23.5	48.0	12.0	132.0	5.6	25.0	18.6	40	1.2	FAH33K335048XNLB
330	4.0	25.5	48.0	12.0	160.0	4.9	25.0	21.3	40	1.2	FAH33K405048XNLB
330	4.7	27.5	48.0	12.0	188.0	4.6	25.0	22.6	40	1.2	FAH33K475048XNLB
330	5.0	28.5	48.0	12.0	200.0	4.4	25.0	23.7	40	1.2	FAH33K505048XNLB
330	6.8	28.5	58.0	12.0	204.0	8.8	30.0	11.8	30	1.2	FAH33K685058XNLB
330	10	34.5	58.0	12.0	300.0	6.9	30.0	15.1	30	1.2	FAH33K106058XNLB
400	0.47	14.5	34.0	8.0	37.6	12.4	20.0	18.9	80	1.0	FAH40K474034XNLB
400	0.68	17.0	34.0	9.0	54.4	9.1	20.0	20.4	80	1.0	FAH40K684034XNLB

Rating and Part Number

Vac	Cap Value	Dimensions		Irms 10KHz	Peak Current	ESR 10K Typical	ESL	Thermal Res	dv/dt	Lead Wire	Part Number
	μF	D	L								
		mm max	mm max	70°C A	A	mΩ	nH	°C/W	V/us	mm	
400	1.0	20.5	34.0	9.0	80.0	6.8	20.0	27.2	80	1.0	FAH40K105034XNLB
400	1.5	20.5	48.0	9.0	90.0	8.3	25.0	22.3	60	1.0	FAH40K155048XNLB
400	2.0	23.5	48.0	12.0	120.0	6.5	25.0	16	60	1.2	FAH40K205048XNLB
400	2.2	24.5	48.0	12.0	132.0	6.1	25.0	17.1	60	1.2	FAH40K225048XNLB
400	3.0	28.5	48.0	12.0	180.0	5.1	25.0	20.4	60	1.2	FAH40K305048XNLB
400	3.3	30.0	48.0	12.0	198.0	4.8	25.0	21.7	60	1.2	FAH40K335048XNLB
400	4.0	33.0	48.0	12.0	240.0	4.6	25.0	22.6	60	1.2	FAH40K405048XNLB
400	4.7	29.5	58.0	12.0	188.0	10.3	30.0	10.1	40	1.2	FAH40K475058XNLB
400	5.0	30.5	58.0	12.0	200.0	9.8	30.0	10.6	40	1.2	FAH40K505058XNLB
400	6.8	35.0	58.0	12.0	272.0	7.9	30.0	13.2	40	1.2	FAH40K685058XNLB
450	0.15	10.0	34.0	5.0	31.5	18.9	20.0	31.7	210	0.8	FAH45K154034XNLB
450	0.22	12.0	34.0	7.0	46.2	13.4	20.0	22.8	210	0.8	FAH45K224034XNLB
450	0.33	14.5	34.0	9.0	69.3	9.2	20.0	20.1	210	1.0	FAH45K334034XNLB
450	0.47	17.0	34.0	9.0	98.7	7.0	20.0	26.5	210	1.0	FAH45K474034XNLB
450	0.68	20.5	34.0	9.0	142.8	5.5	20.0	33.7	210	1.0	FAH45K684034XNLB
450	1.0	20.5	48.0	9.0	140.0	6.1	25.0	30.4	140	1.0	FAH45K105048XNLB
450	1.5	24.5	48.0	12.0	210.0	4.6	25.0	22.6	140	1.2	FAH45K155048XNLB
450	2.0	28.5	48.0	12.0	280.0	4.0	25.0	26	140	1.2	FAH45K205048XNLB
450	2.2	29.5	48.0	12.0	308.0	3.9	25.0	26.7	140	1.2	FAH45K225048XNLB
450	2.5	31.5	48.0	12.0	350.0	3.8	25.0	27.4	140	1.2	FAH45K255048XNLB
450	3.0	28.0	58.0	12.0	270.0	4.7	30.0	22.2	90	1.2	FAH45K305058XNLB
450	3.3	29.5	58.0	12.0	297.0	4.6	30.0	22.6	90	1.2	FAH45K335058XNLB
450	4.0	32.5	58.0	12.0	360.0	4.2	30.0	24.8	90	1.2	FAH45K405058XNLB

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 8	425	185	105



Outer Box Specifications (Dimensions)			
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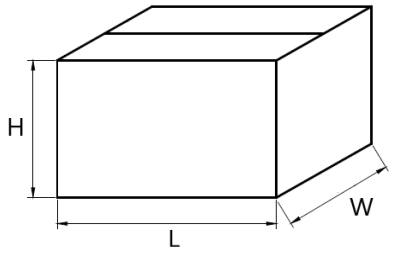


Overview
The FAC series capacitors are designed for PFC system and AC harmonic filtering, consist of metallized polypropylene film, enclosed in cylindrical Al can filled with soft resin, screw terminals or fast-on terminals.

Applications
Widely used in AC Filtering and LCL System

Features
- Self-healing property
- Overpressure disconnector device, 10K AFC
- High capacitance density
- High reliability
- Oil type with good thermal dissipation

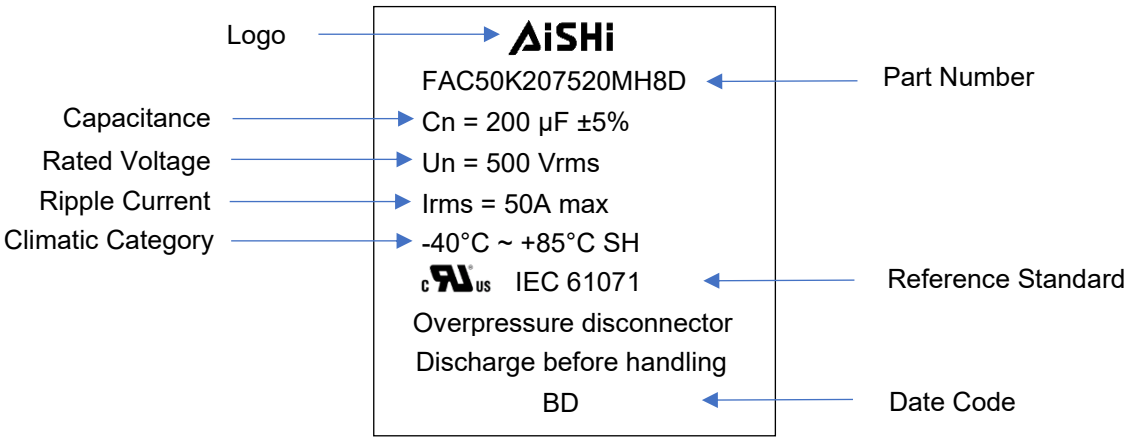
Applicable Standard

Approval	Specification	File Number
c UL us	Components	E500536

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	250Vac ~ 850Vac
Capacitance Range	10uF ~ 600uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +85°C
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤0.0020 at 100Hz
Insulation Resistance	IR x C ≥5,000s at 100VDC 1minute at +25°C

Marking



Part Number System

F	AC	50	K	207	525	MH8	D
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Bottom Stud Code
F = Film	AC Filtering, Al Can Single Phase, Metallized PP Film	250=25 330=33 450=45 480=48 550=55 600=60 660=66 690=69 850=85	J = ±5% K = ±10% H = ±3% A = -5% ~ +10% B = 0 ~ +5% C = -15% ~ 0 D = 0 ~ +10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Bottom Stud Code Table

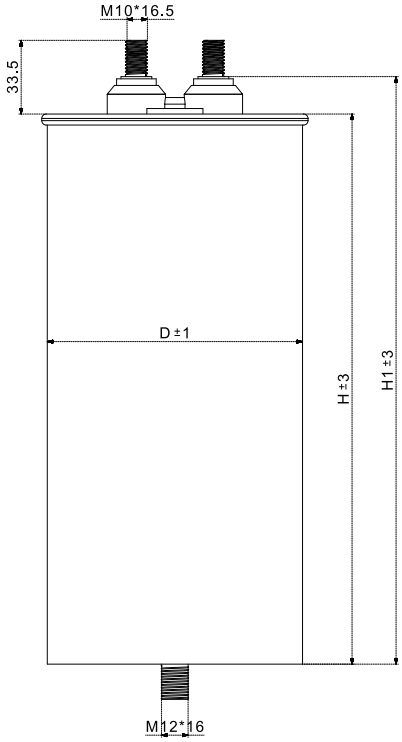
Terminal Code

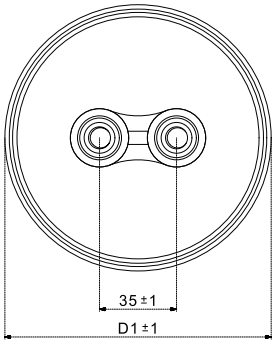
Digit One (Lead/Terminal Type)		Digit Two (Terminal Space)		Digit Three (Terminal Size)	
Male Terminals	M	20mm	V	M5	5
Female Terminals	F	30mm	H	M6	6
Fast on	P	32mm	P	M8	8
Fast on + stud	Q	50mm	R	M10	H
				Fast On 2+2	E
				Fast On 4+4	F

Bottom Stud Code

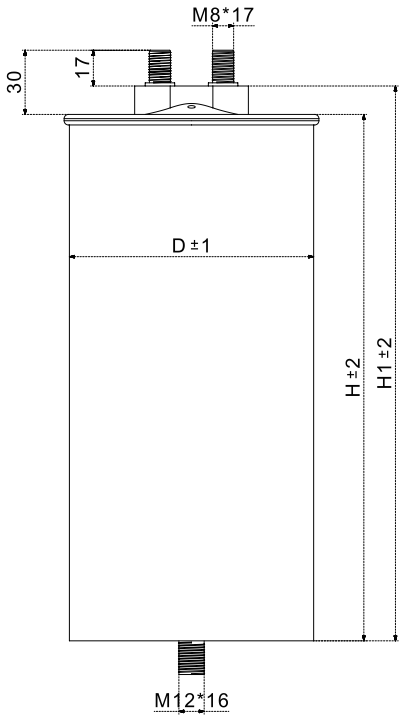
Bottom Stud	
Bottom M8*10	C
Bottom M12*16	D
No Bottom Stud	E
Bottom M12*12 D style	B
Bottom M10*16	F

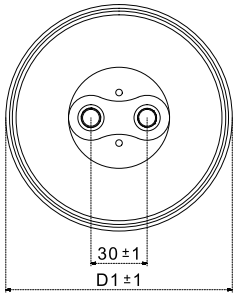
Diameter: 116mm



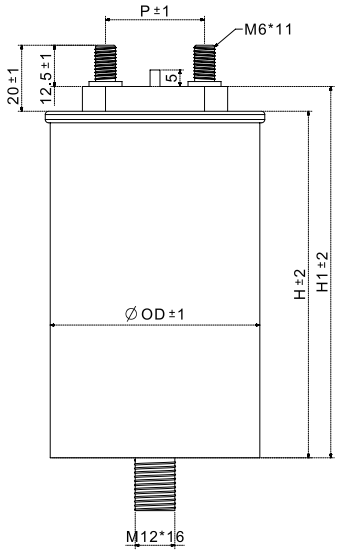


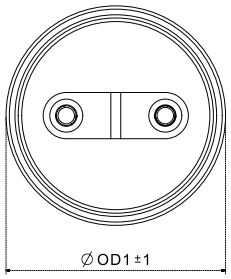
Diameter: 76mm, 86mm, 96mm, 106mm, 116mm, 136mm

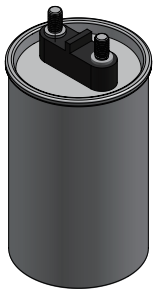




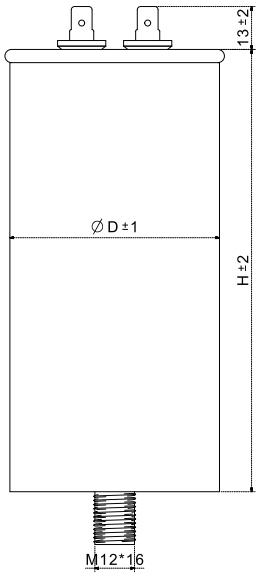
Diameter: 60mm, 63.5mm

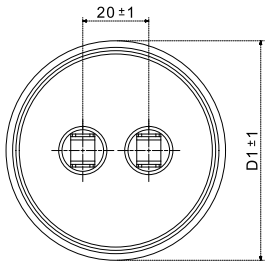






Diameter: 40mm, 45mm, 50mm, 55mm, 60mm, 63.5mm





Dimension (mm)

Case Code	D ± 1mm		D1 ± 1mm		H ± 2mm		P ± 1mm	
	mm	inch	mm	inch	mm	inch	mm	inch
U10	50.0	(1.97)	53.0	(2.09)	100.0	(3.94)	20.0	(0.79)
U12	50.0	(1.97)	53.0	(2.09)	125.0	(4.92)	20.0	(0.79)
U75	50.0	(1.97)	53.0	(2.09)	75.0	(2.95)	20.0	(0.79)
V12	55.0	(2.17)	58.0	(2.28)	125.0	(4.92)	20.0	(0.79)
W10	60.0	(2.36)	63.0	(2.48)	100.0	(3.94)	20.0	(0.79)
W12	60.0	(2.36)	63.0	(2.48)	125.0	(4.92)	20.0	(0.79)
112	63.5	(2.50)	66.5	(2.62)	125.0	(4.92)	20.0	(0.79)
212	65.0	(2.56)	68.0	(2.68)	125.0	(4.92)	20.0	(0.79)
310	76.0	(2.99)	79.0	(3.11)	100.0	(3.94)	20.0	(0.79)
312	76.0	(2.99)	79.0	(3.11)	125.0	(4.92)	20.0	(0.79)
315	76.0	(2.99)	79.0	(3.11)	150.0	(5.91)	30.0	(1.18)
317	76.0	(2.99)	79.0	(3.11)	170.0	(6.69)	30.0	(1.18)
320	76.0	(2.99)	79.0	(3.11)	200.0	(7.87)	30.0	(1.18)
325	76.0	(2.99)	79.0	(3.11)	250.0	(9.84)	30.0	(1.18)
515	86.0	(3.39)	90.0	(3.54)	150.0	(5.91)	30.0	(1.18)
517	86.0	(3.39)	90.0	(3.54)	170.0	(6.69)	30.0	(1.18)
520	86.0	(3.39)	90.0	(3.54)	200.0	(7.87)	30.0	(1.18)
525	86.0	(3.39)	90.0	(3.54)	250.0	(9.84)	30.0	(1.18)
625	96.0	(3.78)	100.0	(3.94)	250.0	(9.84)	30.0	(1.18)
725	106.0	(4.17)	111.0	(4.37)	250.0	(9.84)	30.0	(1.18)
925	116.0	(4.57)	121.0	(4.76)	250.0	(9.84)	35.0	(1.38)

Rating and Part Number

Vac	Cap Value	OD±1		H±2		Irms max at 50°C	Peak Current	ESR 1KHz	ESL	Thermal Res	dv/dt	Pkg Qty	Part Number
	μF	mm	inch	mm	inch	A	A	mΩ	nH	°C/W	V/us	pcs	
250	60	50.0	(1.97)	100.0	(3.94)	16.0	1002	3.9	175	7.8	16.7	15	FAC25K606U10QVEC
250	80	50.0	(1.97)	100.0	(3.94)	16.0	1336	4.4	175	7.8	16.7	15	FAC25K806U10QVEC
250	100	50.0	(1.97)	125.0	(4.92)	16.0	1260	4.8	175	6.3	12.6	15	FAC25K107U12QVEC
250	120	55.0	(2.17)	125.0	(4.92)	16.0	1512	4.6	175	6.0	12.6	15	FAC25K127V12QVEC
250	150	60.0	(2.36)	125.0	(4.92)	16.0	1890	4.3	175	5.3	12.6	12	FAC25K157W12QVEC
250	150	76.0	(2.99)	125.0	(4.92)	22.0	1620	3.3	190	4.7	10.8	12	FAC25K157312MH8D
250	200	76.0	(2.99)	125.0	(4.92)	30.0	2340	3.0	200	4.7	11.7	12	FAC25K207312MH8D
250	250	76.0	(2.99)	150.0	(5.91)	30.0	2150	3.4	190	4.3	8.6	12	FAC25K257315MH8D
250	300	86.0	(3.39)	150.0	(5.91)	36.0	2580	3.2	190	4.3	8.6	8	FAC25K307515MH8D
250	350	76.0	(2.99)	200.0	(7.87)	35.0	3640	3.1	200	4.0	10.4	12	FAC25K307320MH8D
250	400	86.0	(3.39)	200.0	(7.87)	40.0	4160	3.0	200	4.0	10.4	8	FAC25K407520MH8D
250	500	86.0	(3.39)	200.0	(7.87)	50.0	5400	3.3	220	2.9	10.8	8	FAC25K507520MH8D
250	600	86.0	(3.39)	250.0	(9.84)	50.0	4800	3.1	200	2.5	8.0	8	FAC25K607525MH8D
330	50	50.0	(1.97)	100.0	(3.94)	16.0	835	5.1	175	7.8	16.7	15	FAC33K506U10QVEC
330	60	50.0	(1.97)	125.0	(4.92)	16.0	756	5.4	175	6.3	12.6	15	FAC33K606U12QVEC
330	100	60.0	(2.36)	125.0	(4.92)	16.0	1260	4.1	175	5.3	12.6	12	FAC33K107W12QVEC
330	100	76.0	(2.99)	125.0	(4.92)	30.0	1310	3.8	190	5.2	13.1	12	FAC33K107312MH8D
330	120	63.5	(2.50)	125.0	(4.92)	16.0	864	3.8	175	5.5	7.2	12	FAC33K127112QVEC
330	150	76.0	(2.99)	150.0	(5.91)	40.0	1350	3.0	190	4.3	9.0	12	FAC33K157315MH8D
330	200	86.0	(3.39)	150.0	(5.91)	40.0	2620	3.1	200	4.0	13.1	8	FAC33K207515MH8D
330	250	76.0	(2.99)	200.0	(7.87)	40.0	2150	3.9	190	4.0	8.6	12	FAC33K257320MH8D
330	300	86.0	(3.39)	200.0	(7.87)	50.0	3930	3.6	200	2.9	13.1	8	FAC33K307520MH8D
330	350	86.0	(3.39)	200.0	(7.87)	50.0	4585	3.4	200	2.9	13.1	8	FAC33K357520MH8D
330	400	86.0	(3.39)	250.0	(9.84)	50.0	3240	3.6	200	2.5	8.1	8	FAC33K407525MH8D
450	20	50.0	(1.97)	75.0	(2.95)	16.0	700	5.2	175	10.5	35.0	15	FAC45K206U75QVEC
450	30	50.0	(1.97)	100.0	(3.94)	16.0	699	6.9	175	7.8	23.3	15	FAC45K306U10QVEC
450	40	50.0	(1.97)	100.0	(3.94)	16.0	540	5.7	175	7.8	13.5	15	FAC45K406U10QVEC
450	50	50.0	(1.97)	125.0	(4.92)	16.0	540	5.0	175	5.3	10.8	15	FAC45K506U12QVEC
450	50	76.0	(2.99)	100.0	(3.94)	20.0	855	3.3	190	5.3	17.1	12	FAC45K506310MH8D
450	70	60.0	(2.36)	125.0	(4.92)	16.0	910	4.8	175	5.5	13.0	12	FAC45K706W12QVEC
450	80	60.0	(2.36)	125.0	(4.92)	16.0	904	4.4	175	5.5	11.3	12	FAC45K806W12QVEC
450	100	76.0	(2.99)	150.0	(5.91)	35.0	1080	4.7	190	4.3	10.8	12	FAC45K107315MH8D
450	150	86.0	(3.39)	150.0	(5.91)	40.0	1965	3.9	200	4.3	13.1	8	FAC45K157515MH8D
450	200	86.0	(3.39)	200.0	(7.87)	40.0	2700	3.7	220	2.9	13.5	8	FAC45K207520MH8D
450	250	86.0	(3.39)	200.0	(7.87)	50.0	2025	3.8	200	2.9	8.1	8	FAC45K257520MH8D
450	300	86.0	(3.39)	250.0	(9.84)	50.0	2400	4.1	220	2.5	8.0	8	FAC45K307525MH8D
480	20	50.0	(1.97)	75.0	(2.95)	16.0	750	4.8	175	10.5	37.5	15	FAC48K206U75QVEC
480	25	50.0	(1.97)	100.0	(3.94)	16.0	750	4.2	175	7.8	30.0	15	FAC48K256U10QVEC
480	30	50.0	(1.97)	100.0	(3.94)	16.0	750	3.9	175	7.8	25.0	15	FAC48K306U10QVEC
480	40	60.0	(2.36)	100.0	(3.94)	12.0	852	5.2	175	7.3	21.3	12	FAC48K406W10QVEC
480	50	55.0	(2.17)	125.0	(4.92)	14.0	850	4.6	175	6.0	17.0	15	FAC48K506V12QVEC
480	60	76.0	(2.99)	125.0	(4.92)	18.0	1056	3.7	190	4.7	17.6	12	FAC48K606312MH8D
480	70	76.0	(2.99)	125.0	(4.92)	20.0	1050	3.4	190	4.7	15.0	12	FAC48K706312MH8D
480	80	76.0	(2.99)	150.0	(5.91)	30.0	1224	4.2	190	4.3	15.3	12	FAC48K806315MH8D
480	100	76.0	(2.99)	200.0	(7.87)	50.0	1710	4.1	190	4.0	17.1	12	FAC48K107320MH8D
480	150	76.0	(2.99)	200.0	(7.87)	40.0	2565	3.5	200	4.0	17.1	12	FAC48K157320MH8D
480	200	76.0	(2.99)	250.0	(9.84)	40.0	2620	4.6	200	3.0	13.1	12	FAC48K207325MH8D
480	250	86.0	(3.39)	250.0	(9.84)	50.0	2925	4.2	200	2.5	11.7	8	FAC48K257525MH8D

Rating and Part Number

Vac	Cap Value μF	OD±1		H±2		Irms max at 50°C	Peak Current	ESR 1KHz	ESL	Thermal Res	dv/dt	Pkg Qty	Part Number
		mm	inch	mm	inch	A	A	mΩ	nH	°C/W	V/us	pcs	
550	20	50.0	(1.97)	100.0	(3.94)	16.0	600	6.9	175	7.9	30.0	15	FAC55K206U10QVEC
550	30	50.0	(1.97)	125.0	(4.92)	16.0	750	6.6	175	6.3	25.0	15	FAC55K306U12QVEC
550	40	60.0	(2.36)	125.0	(4.92)	16.0	752	7.1	175	5.5	18.8	15	FAC55K406W12QVEC
550	50	63.5	(2.50)	125.0	(4.92)	16.0	850	6.1	175	5.3	17.0	12	FAC55K506112QVEC
550	70	76.0	(2.99)	150.0	(5.91)	25.0	903	4.6	175	4.2	12.9	12	FAC55K706315MH8D
550	80	76.0	(2.99)	150.0	(5.91)	25.0	1800	4.3	190	4.3	22.5	12	FAC55K806315MH8D
550	100	86.0	(3.39)	150.0	(5.91)	30.0	2820	3.9	200	4.0	28.2	8	FAC55K107515MH8D
550	125	86.0	(3.39)	200.0	(7.87)	30.0	2825	3.6	200	2.9	22.6	8	FAC55K127520MH8D
550	150	86.0	(3.39)	200.0	(7.87)	40.0	3210	5.0	200	2.9	21.4	8	FAC55K157520MH8D
550	200	86.0	(3.39)	250.0	(9.84)	50.0	3220	4.4	200	2.5	16.1	8	FAC55K207525MH8D
550	250	96.0	(3.78)	250.0	(9.84)	50.0	3500	4.0	240	2.1	14.0	6	FAC55K257625MH8D
550	300	106.0	(4.17)	250.0	(9.84)	50.0	3510	3.7	240	2.0	11.7	5	FAC55K307725MH8D
600	10	50.0	(1.97)	75.0	(2.95)	16.0	350	6.4	160	10.5	35.0	15	FAC60K106U75QVEC
600	20	50.0	(1.97)	125.0	(4.92)	16.0	500	11.1	160	6.3	25.0	15	FAC60K206U12QVEC
600	25	50.0	(1.97)	125.0	(4.92)	16.0	600	6.1	175	6.3	24.0	15	FAC60K256U12QVEC
600	30	60.0	(2.36)	125.0	(4.92)	16.0	600	5.4	175	5.3	20.0	12	FAC60K306W12QVEC
600	35	60.0	(2.36)	125.0	(4.92)	16.0	700	7.3	175	5.3	20.0	12	FAC60K356W12QVEC
600	40	63.5	(2.50)	125.0	(4.92)	16.0	700	6.6	175	5.3	17.5	12	FAC60K406112QVEC
600	45	65.0	(2.56)	125.0	(4.92)	16.0	702	6.1	175	5.3	15.6	12	FAC60K456212QVEC
600	50	76.0	(2.99)	150.0	(5.91)	20.0	850	5.7	175	4.3	17.0	12	FAC60K506315MH8D
660	10	50.0	(1.97)	125.0	(4.92)	16.0	550	5.2	160	10.5	55.0	15	FAC66K106U12QVEC
660	15	60.0	(2.36)	125.0	(4.92)	16.0	420	6.2	160	6.3	28.0	12	FAC66K156W12QVEC
660	20	55.0	(2.17)	125.0	(4.92)	16.0	550	8.3	175	6.3	27.5	12	FAC66K206V12QVEC
660	25	60.0	(2.36)	125.0	(4.92)	16.0	550	7.9	175	5.3	22.0	12	FAC66K256W12QVEC
660	30	63.5	(2.50)	125.0	(4.92)	16.0	750	6.3	175	5.5	25.0	12	FAC66K306112QVEC
660	40	76.0	(2.99)	150.0	(5.91)	30.0	900	5.2	175	4.6	22.5	12	FAC66K406315MH8D
660	50	86.0	(3.39)	150.0	(5.91)	40.0	1000	4.7	175	4.0	20.0	8	FAC66K506515MH8D
690	10	50.0	(1.97)	125.0	(4.92)	16.0	550	5.2	160	6.3	55.0	15	FAC69K106U12QVEC
690	15	50.0	(1.97)	125.0	(4.92)	16.0	420	6.2	160	6.3	28.0	15	FAC69K156U12QVEC
690	20	55.0	(2.17)	125.0	(4.92)	16.0	550	8.3	175	6.0	27.5	15	FAC69K206V12QVEC
690	30	63.5	(2.50)	125.0	(4.92)	16.0	750	6.3	175	5.5	25.0	12	FAC69K306112QVEC
690	40	76.0	(2.99)	150.0	(5.91)	25.0	1152	4.8	190	4.3	28.8	12	FAC69K406315MH8D
690	50	86.0	(3.39)	150.0	(5.91)	30.0	1150	4.3	190	4.0	23.0	8	FAC69K506515MH8D
690	70	76.0	(2.99)	250.0	(9.84)	30.0	1260	3.7	200	2.9	18.0	12	FAC69K706325MH8D
690	85	86.0	(3.39)	250.0	(9.84)	40.0	1530	3.5	220	2.5	18.0	8	FAC69K856525MH8D
690	100	86.0	(3.39)	250.0	(9.84)	40.0	1800	3.3	200	2.5	18.0	8	FAC69K107525MH8D
690	125	106.0	(4.17)	250.0	(9.84)	50.0	1563	4.0	220	2.0	12.5	5	FAC69K127725MH8D
690	150	106.0	(4.17)	250.0	(9.84)	50.0	1875	3.8	240	2.0	12.5	5	FAC69K157725MH8D
690	200	116.0	(4.57)	250.0	(9.84)	60.0	3300	1.6	190	2.0	16.5	5	FAC69K207925MXHD
850	10	76.0	(2.99)	100.0	(3.94)	22.0	600	2.7	100	8.8	60.0	12	FAC85K106310MH8D
850	13	76.0	(2.99)	100.0	(3.94)	26.0	650	2.7	120	8.8	50.0	12	FAC85K136310MH8D
850	22	76.0	(2.99)	150.0	(5.91)	25.0	500	4.4	190	6.3	22.7	12	FAC85K226315MH8D
850	33	76.0	(2.99)	170.0	(6.69)	40.0	1500	1.9	120	5.0	45.5	12	FAC85K336317MH8D
850	44	86.0	(3.39)	170.0	(6.69)	43.0	1700	2.1	140	4.2	38.6	8	FAC85K446517MH8D
850	68	86.0	(3.39)	250.0	(9.84)	49.0	1400	2.0	190	3.4	20.6	8	FAC85K686525MH8D
850	80	86.0	(3.39)	250.0	(9.84)	50.0	1700	1.8	190	3.4	21.3	8	FAC85K806525MH8D
850	100	96.0	(3.78)	250.0	(9.84)	56.0	2100	1.8	190	3.0	21.0	6	FAC85K107625MH8D
850	150	116.0	(4.57)	250.0	(9.84)	60.0	2900	1.6	190	2.6	19.3	5	FAC85K157925MXHD

Packaging Information

Capacitors are well protected by foams. And then are packaged in the cartons.

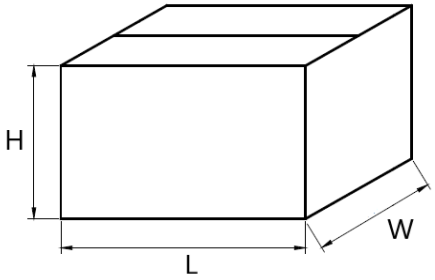


Table 1 carton dimensions

Carton No.	L (mm)	W (mm)	H (mm)
1	375	285	235
2	375	285	300
3	375	285	330
4	375	285	365
5	375	285	265

According to the capacitor's diameter, every carton contains capacitors as per the following Table 2.

Table 2 Capacitor quantity of each carton

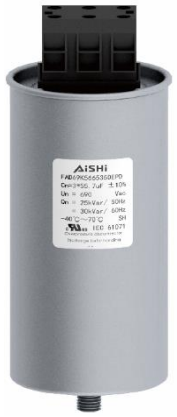
Capacitor Diameter (mm)	Quantity (pcs)
50	15
55	15
60	12
63.5	12
65	12
76	12
86	8
96	6
106	5
116	5
136	2

Overview

The FAD series capacitors are designed for PFC system or filtering harmonics at the AC output of large inverter system. The FAD series capacitor consists of metallized polypropylene film, enclosed in cylindrical Al case and filled with soft PU resin.

Applications

Widely used in PFC, AC Filtering and LCL System



Features

- Double safety protection
  - Self-healing property
  - Overpressure disconnector device
- 3 phases in one case, delta connection
- High reliability
- Oil type with good thermal dissipation

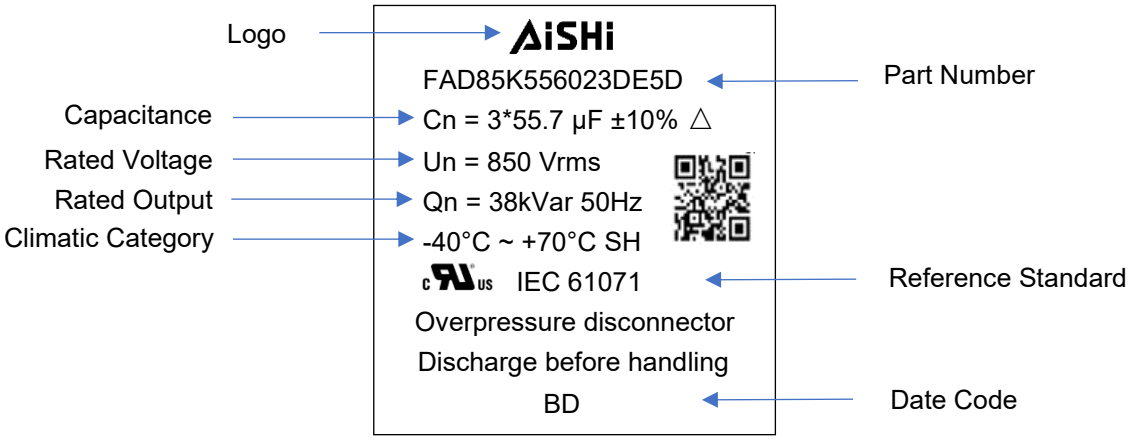
Applicable Standard

Approval	Specification	File Number
c UL us	Components	E500536

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	230Vac ~ 850Vac
Capacitance Range	3*8uF ~ 3*335uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +85°C
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	≤0.0020 at 100Hz
Insulation Resistance	Ris x C ≥5,000s at 100VDC 1minute at +25°C

Marking



Part Number System

F	AD	85	J	556	023	DF6	D
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Bottom Stud Code
F = Film	AC Filtering, Al Can Three Phase, Metallized PP Film	230 = 23 400 = 40 440 = 44 480 = 48 525 = 52 660 = 66 690 = 69 760 = 76 850 = 85	J = ±5% K = ±10% H = ±3% A = -5% ~ +10% B = 0 ~ +5% C = -15% ~ 0 D = 0 ~ +10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Dimension Table	Refer to Terminal Code Table	Refer to Bottom Stud Code Table

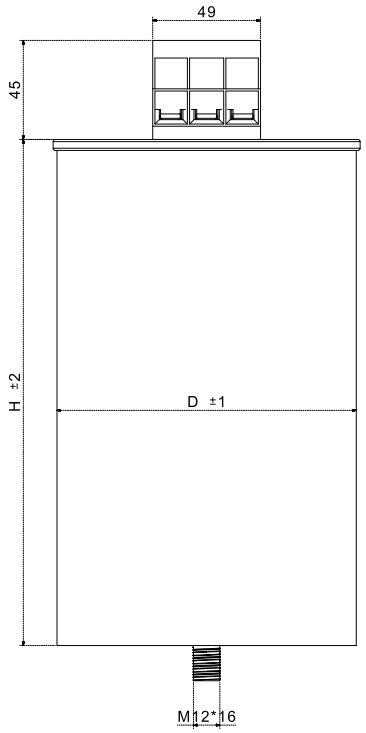
Terminal Code

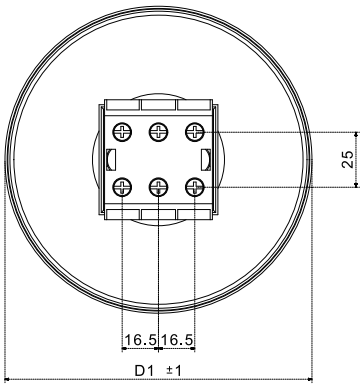
Digit One (Lead/Terminal Type)		Digit Two (Terminal Space)		Digit Three (Terminal Size)	
Three Phase Screw	D	15	E	M5	5
		16.5	F	M6	6
		35	X	M8	8

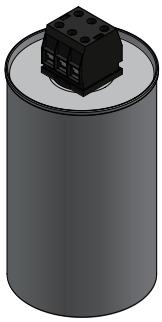
Bottom Stud Code

Bottom Stud	
Bottom M12*16	D
No Bottom Stud	E

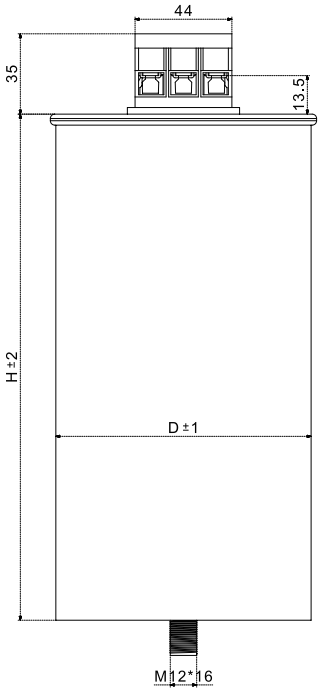
Diameter: 136mm

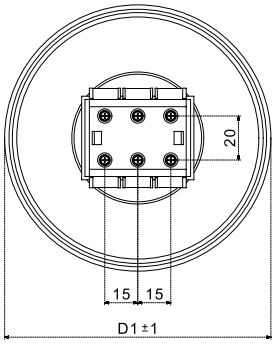




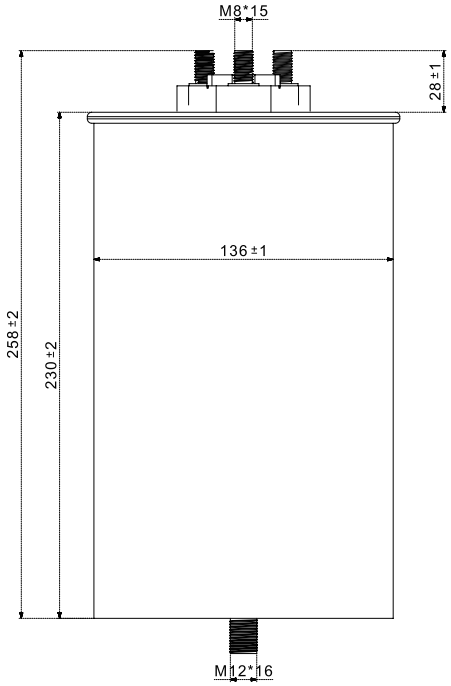


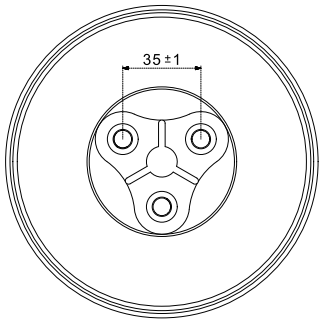
Diameter: 76mm, 86mm, 96mm, 106mm, 116mm, 136mm





Diameter: 136mm





Dimension (mm)

Case Code	D ± 1mm		D1 ± 1mm		H ± 2mm	
	mm	inch	mm	inch	mm	inch
316	76	(2.99)	80	(3.15)	164	(6.46)
516	86	(3.39)	90	(3.54)	160	(6.30)
520	86	(3.39)	90	(3.54)	200	(7.87)
523	86	(3.39)	90	(3.54)	230	(9.06)
527	86	(3.39)	90	(3.54)	275	(10.83)
535	86	(3.39)	90	(3.54)	350	(13.78)
623	96	(3.78)	101	(3.98)	230	(9.06)
916	116	(4.57)	121	(4.76)	160	(6.30)
920	116	(4.57)	121	(4.76)	200	(7.87)
923	116	(4.57)	121	(4.76)	230	(9.06)
927	116	(4.57)	121	(4.76)	275	(10.83)
020	136	(5.35)	142	(5.59)	200	(7.87)
023	136	(5.35)	142	(5.59)	230	(9.06)

Rating and Part Number

Vac	Cap Value μF	OD±1		H±2		Output Kvar @50Hz	Irms at 40°C	Surge Current	dv/dt (Max)	Pkg Qty	Part Number
		mm	inch	mm	inch		A	A	V/us	pcs	
230	3 x 200.6	86	(3.39)	275	(10.83)	10.0	25.1	5021	25	8	FAD23K207527DE5D
230	3 x 200.6	116	(4.57)	160	(6.30)	10.0	25.1	5021	25	5	FAD23K207916DE5D
230	3 x 250.7	86	(3.39)	275	(10.83)	12.5	31.4	6276	25	8	FAD23K257527DE5D
230	3 x 250.7	116	(4.57)	200	(7.87)	12.5	31.4	6276	25	5	FAD23K257920DE5D
230	3 x 300.9	86	(3.39)	350	(13.78)	15.0	37.7	7531	25	8	FAD23K307535DE5D
230	3 x 300.9	116	(4.57)	200	(7.87)	15.0	37.7	7531	25	5	FAD23K307920DE5D
230	3 x 335.0	116	(4.57)	230	(9.06)	16.7	41.9	8384	25	5	FAD23K337923DE5D
400	3 x 66.3	86	(3.39)	200	(7.87)	10.0	14.4	2887	44	8	FAD40K666520DE5D
400	3 x 82.9	86	(3.39)	200	(7.87)	12.5	18.0	3609	44	8	FAD40K836520DE5D
400	3 x99.5	86	(3.39)	275	(10.83)	15.0	21.7	4330	44	8	FAD40K107527DE5D
400	3x110.7	86	(3.39)	275	(10.83)	16.7	24.1	4821	44	8	FAD40K117527DE5D
400	3x110.7	116	(4.57)	160	(6.30)	16.7	24.1	4821	44	5	FAD40K117916DE5D
400	3x132.6	86	(3.39)	275	(10.83)	20.0	28.9	5774	44	8	FAD40K137527DE5D
400	3x132.6	116	(4.57)	200	(7.87)	20.0	28.9	5774	44	5	FAD40K137920DE5D
400	3x165.8	86	(3.39)	350	(13.78)	25.0	36.1	7217	44	8	FAD40K167535DE5D
400	3x165.8	116	(4.57)	200	(7.87)	25.0	36.1	7217	44	5	FAD40K167920DE5D
400	3x198.9	136	(5.35)	200	(7.87)	30.0	43.3	8661	44	2	FAD40K207020DE5D
440	3x46	86	(3.39)	160	(6.30)	8.3	10.9	2178	48	8	FAD44K466516DE5D
440	3 x 68.5	86	(3.39)	200	(7.87)	12.5	16.4	3280	48	8	FAD44K696520DE5D
440	3 x 82.2	86	(3.39)	200	(7.87)	15.0	19.7	3937	48	8	FAD44K836520DE5D
440	3x109.0	86	(3.39)	275	(10.83)	20.0	26.2	5249	48	8	FAD44K117527DE5D
440	3x109.0	116	(4.57)	160	(6.30)	20.0	26.2	5249	48	5	FAD44K117916DE5D
440	3x123.3	86	(3.39)	275	(10.83)	22.5	29.5	5905	48	8	FAD44K127527DE5D
440	3x123.3	116	(4.57)	200	(7.87)	22.5	29.5	5905	48	5	FAD44K127920DE5D
440	3x137.0	116	(4.57)	200	(7.87)	25.0	32.8	6561	48	5	FAD44K147920DE5D
440	3x156	116	(4.57)	200	(7.87)	28.1	36.9	7375	48	5	FAD44K157920DE5D
440	3x164.4	86	(3.39)	350	(13.78)	30.0	39.4	7873	48	8	FAD44K167535DE5D
440	3x164.4	116	(4.57)	200	(7.87)	30.0	39.4	7873	48	5	FAD44K167920DE5D
480	3x40	86	(3.39)	200	(7.87)	8.7	10.5	2093	52	8	FAD48K406520DE5D
480	3x60	86	(3.39)	275	(10.83)	13.0	15.6	3127	52	8	FAD48K606527DE5D
480	3x80	116	(4.57)	200	(7.87)	17.4	20.9	4186	52	5	FAD48K806920DE5D
480	3x120	116	(4.57)	275	(10.83)	26.0	31.3	6255	52	5	FAD48K127927DE5D
525	3 x 38.5	86	(3.39)	200	(7.87)	10.0	11.0	2199	57	8	FAD52K396520DE5D
525	3x48.1	86	(3.39)	200	(7.87)	12.5	13.7	2749	57	8	FAD52K486520DE5D
525	3x58	86	(3.39)	230	(9.06)	15.0	16.5	3299	57	8	FAD52K586523DE5D
525	3 x 77.0	86	(3.39)	275	(10.83)	20.0	22.0	4399	57	8	FAD52K776527DE5D
525	3*96	86	(3.39)	350	(13.78)	25.0	27.5	5499	57	8	FAD52K966535DE5D
525	3*96	116	(4.57)	200	(7.87)	25.0	27.5	5499	57	5	FAD52K966920DE5D
525	3*115.4	136	(5.35)	200	(7.87)	30.0	33.0	6598	57	2	FAD52K117020DE5D
660	3 x 20.3	86	(3.39)	200	(7.87)	8.3	7.3	1457	72	8	FAD66K206520DE5D
660	3 x 24.4	86	(3.39)	200	(7.87)	10.0	8.7	1750	72	8	FAD66K256520DE5D
660	3 x 30.4	86	(3.39)	230	(9.06)	12.5	10.9	2187	72	8	FAD66K306523DE5D
660	3 x 36.5	96	(3.78)	230	(9.06)	15.0	13.1	2624	72	6	FAD66K366623DE5D
660	3 x 48.7	86	(3.39)	350	(13.78)	20.0	17.5	3499	72	8	FAD66K496535DE5D
690	3 x 27.9	86	(3.39)	230	(9.06)	12.5	10.5	2092	75	8	FAD69K286523DE5D
690	3 x 33.4	96	(3.78)	230	(9.06)	15.0	12.6	2510	75	6	FAD69K336623DE5D
690	3 x 44.6	86	(3.39)	350	(13.78)	20.0	16.7	3347	75	8	FAD69K456535DE5D
690	3 x 55.7	86	(3.39)	350	(13.78)	25.0	20.9	4184	75	8	FAD69K566535DE5D

Rating and Part Number

Vac	Cap Value µF	OD±1		H±2		Output Kvar @50Hz	Irms at 40°C	Surge Current	dv/dt (Max)	Pkg Qty	Part Number
		mm	inch	mm	inch		A	A	V/us	pcs	
850	3X8	76	(2.99)	164	(6.46)	5.4	20.0	960	120	12	FAD85K805316DE5D
850	3X16	86	(3.39)	200	(7.87)	10.9	25.0	1920	120	8	FAD85K166520DE5D
850	3X25	96	(3.78)	230	(9.06)	17.0	40.0	2500	100	6	FAD85K256623DE5D
850	3X37.5	116	(4.57)	230	(9.06)	25.5	45.0	3800	100	5	FAD85K376923DE5D
850	3X41.5	116	(4.57)	230	(9.06)	28.2	50.0	4200	100	5	FAD85K416923DE5D
850	3X49	136	(5.35)	230	(9.06)	33.3	50.0	4900	100	2	FAD85K496023DE5D
850	3X55.8	136	(5.35)	230	(9.06)	37.9	50.0	5600	100	2	FAD85K556023DE5D

Packaging Information

Capacitors are well protected by foams. And then are packaged in the cartons.

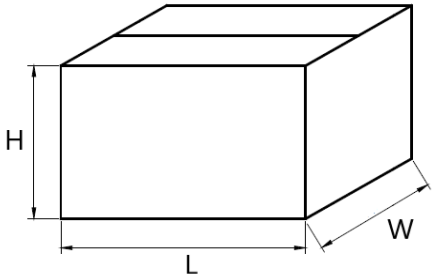


Table 1 carton dimensions

Carton No.	L (mm)	W (mm)	H (mm)
1	375	285	235
2	375	285	300
3	375	285	330
4	375	285	365
5	375	285	265

According to the capacitor's diameter, every carton contains capacitors as per the following Table 2.

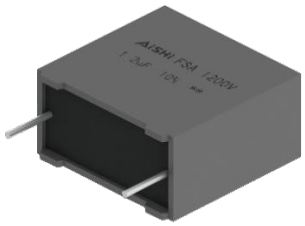
Table 2 Capacitor quantity of each carton

Capacitor Diameter (mm)	Quantity (pcs)
76	12
86	8
96	6
116	5
136	2

Overview
The FSA capacitor is constructed of metallized polypropylene film with double-sided metallized film encapsulated with epoxy resin in a plastic box, with tinned copper wires.

Applications
Widely used in high voltage, high frequency circuit, snubber and SCR commutating circuits.

Features
- High ripple current
- Self-healing property
- Low losses
- Small inherent temperature rise
- High contact reliability



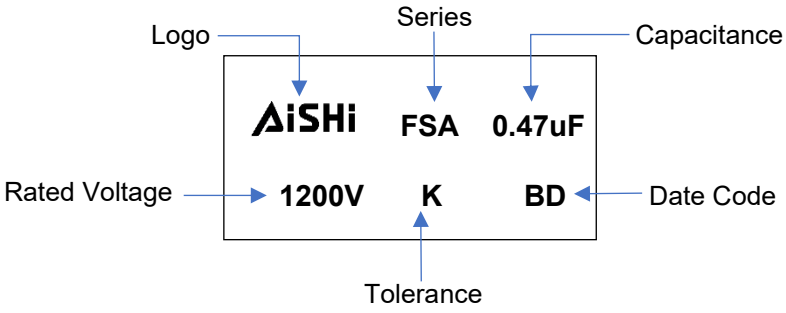
Qualification

Reference Standard	IEC 61071
Climate Category	40/85/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	630Vdc to 2000Vdc
Capacitance Range	0.001μF to 4.7μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-55°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	55/105/56 IEC 60068-1
Dissipation Factor	0.0010（0.1%） at 25°C，1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 100 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 30 000 s

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	SA	3B	K	474	G40	2GL	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Snubber Capacitor, Double-sided Metallized PP Film	630=2L 1000=3K 1200=3B 1600=3W 2000=3D	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

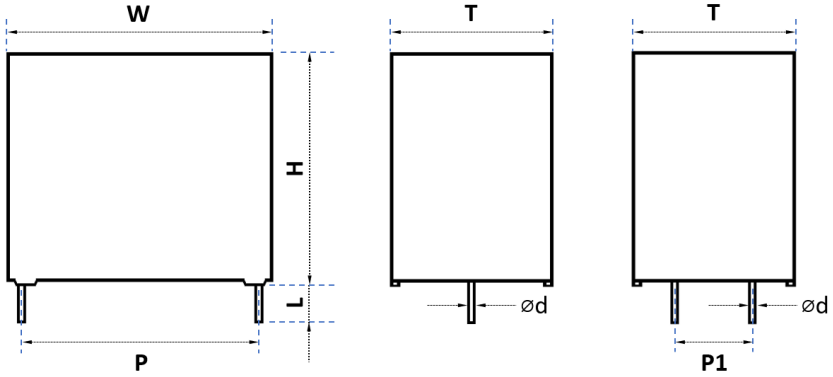
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	27.5mm	G	10.2mm	B
2 leads for straight cut	2	37.5mm	K	12.7mm	G
2 leads for forming cut	E	57.5mm	M	20.3mm	D
4 leads for straight cut	4			N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins **4 pins**

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C13	13	0.5	11	0.5	5	0.5	10	0.5	0.6	0.05
C16	13	0.5	12	0.5	6	0.5	10	0.5	0.6	0.05
C24	13	0.5	13	0.5	7	0.5	10	0.5	0.6	0.05
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.8	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.8	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
G14	32	0.8	17	0.8	8	0.8	27.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	1.0	0.05
K11	42	1.0	24	1.0	13	1.0	37.5	0.5	1.0	0.05
K17	42	1.0	28	1.0	17	1.0	37.5	0.5	1.0	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	1.0	0.05
K24	42	1.0	40	1.0	20	1.0	37.5	0.5	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	1.0	0.05
K47	42	1.0	50	1.0	35	1.0	37.5	0.5	1.0	0.05
K85	42	1.0	22	1.0	11	1.0	37.5	0.5	1.0	0.05
K86	42	1.0	28.5	1.0	16	1.0	37.5	0.5	1.0	0.05

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
630	400	0.0039	13	11	5	10	1.0	15.6	160.0	10.0	4000	0.6	FSA2LK392C132CL5
630	400	0.0047	13	11	5	10	1.2	18.8	135.0	10.0	4000	0.6	FSA2LK472C132CL5
630	400	0.0056	13	11	5	10	1.3	22.4	110.0	10.0	4000	0.6	FSA2LK562C132CL5
630	400	0.0068	13	11	5	10	1.4	27.2	93.0	10.0	4000	0.6	FSA2LK682C132CL5
630	400	0.0082	13	11	5	10	1.5	32.8	80.0	10.0	4000	0.6	FSA2LK822C132CL5
630	400	0.01	13	11	5	10	1.8	40.0	65.0	10.0	4000	0.6	FSA2LK103C132CL5
630	400	0.012	13	11	5	10	2.0	48.0	55.0	10.0	4000	0.6	FSA2LK123C132CL5
630	400	0.015	13	12	6	10	2.4	60.0	45.0	10.0	4000	0.6	FSA2LK153C162CL5
630	400	0.018	13	12	6	10	2.6	72.0	35.0	10.0	4000	0.6	FSA2LK183C162CL5
630	400	0.02	13	13	7	10	2.7	80.0	32.0	10.0	4000	0.6	FSA2LK203C242CL5
630	400	0.022	13	13	7	10	2.8	88.0	30.0	10.0	4000	0.6	FSA2LK223C242CL5
630	400	0.01	18	11	5	15	1.8	30.0	62.0	12.0	3000	0.8	FSA2LK103E142EL5
630	400	0.012	18	11	5	15	2.2	36.0	52.0	12.0	3000	0.8	FSA2LK123E142EL5
630	400	0.015	18	11	5	15	2.5	45.0	42.0	12.0	3000	0.8	FSA2LK153E142EL5
630	400	0.018	18	11	5	15	2.7	54.0	35.0	12.0	3000	0.8	FSA2LK183E142EL5
630	400	0.02	18	11	5	15	2.8	60.0	32.0	12.0	3000	0.8	FSA2LK203E142EL5
630	400	0.022	18	11	5	15	2.9	66.0	30.0	12.0	3000	0.8	FSA2LK223E142EL5
630	400	0.027	18	12	6	15	3.2	81.0	25.0	12.0	3000	0.8	FSA2LK273E172EL5
630	400	0.033	18	12	6	15	3.7	99.0	20.0	12.0	3000	0.8	FSA2LK333E172EL5
630	400	0.039	18	12	6	15	3.9	117.0	16.0	12.0	3000	0.8	FSA2LK393E172EL5
630	400	0.047	18	13.5	7.5	15	4.5	141.0	15.0	12.0	3000	0.8	FSA2LK473E292EL5
630	400	0.056	18	13.5	7.5	15	4.6	168.0	14.0	12.0	3000	0.8	FSA2LK563E292EL5
630	400	0.068	18	14.5	8.5	15	4.7	204.0	13.5	12.0	3000	0.8	FSA2LK683E342EL5
630	400	0.082	18	16	10	15	4.8	246.0	13.2	12.0	3000	0.8	FSA2LK823E432EL5
630	400	0.1	18	16	10	15	5.0	300.0	13.0	12.0	3000	0.8	FSA2LK104E432EL5
630	400	0.12	18	19	11	15	5.4	360.0	12.5	12.0	3000	0.8	FSA2LK124E472EL5
630	400	0.047	26	15.5	6	22.5	3.8	70.5	20.0	15.0	1500	0.8	FSA2LK473F142FL5
630	400	0.056	26	15.5	6	22.5	4.0	84.0	19.5	15.0	1500	0.8	FSA2LK563F142FL5
630	400	0.068	26	15.5	6	22.5	4.2	102.0	19.0	15.0	1500	0.8	FSA2LK683F142FL5
630	400	0.082	26	15.5	6	22.5	4.5	123.0	18.0	15.0	1500	0.8	FSA2LK823F142FL5
630	400	0.1	26	15.5	6	22.5	5.0	150.0	16.0	15.0	1500	0.8	FSA2LK104F142FL5
630	400	0.12	26	16.5	7	22.5	5.3	180.0	14.0	15.0	1500	0.8	FSA2LK124F172FL5
630	400	0.15	26	17	8.5	22.5	6.0	225.0	11.0	15.0	1500	0.8	FSA2LK154F202FL5
630	400	0.18	26	17	8.5	22.5	6.5	270.0	10.0	15.0	1500	0.8	FSA2LK184F202FL5
630	400	0.22	26	19	10	22.5	7.5	330.0	8.5	15.0	1500	0.8	FSA2LK224F242FL5
630	400	0.27	26	20	11	22.5	8.5	405.0	6.5	15.0	1500	0.8	FSA2LK274F262FL5
630	400	0.33	26	20	11	22.5	9.0	495.0	6.0	15.0	1500	0.8	FSA2LK334F262FL5
630	400	0.39	26	22	12	22.5	10.0	585.0	5.0	15.0	1500	0.8	FSA2LK394F272FL5
630	400	0.15	32	17	8	27.5	4.6	135.0	25.0	20.0	900	0.8	FSA2LK154G142GL5
630	400	0.18	32	17	8	27.5	4.8	162.0	22.0	20.0	900	0.8	FSA2LK184G142GL5
630	400	0.22	32	18	9	27.5	5.0	198.0	20.0	20.0	900	0.8	FSA2LK224G152GL5
630	400	0.27	32	20	11	27.5	5.5	243.0	17.5	20.0	900	0.8	FSA2LK274G182GL5
630	400	0.33	32	20	11	27.5	5.8	297.0	16.5	20.0	900	0.8	FSA2LK334G182GL5
630	400	0.39	32	20	11	27.5	6.0	351.0	16.0	20.0	900	0.8	FSA2LK394G182GL5
630	400	0.47	32	22	13	27.5	6.5	423.0	14.0	20.0	900	0.8	FSA2LK474G212GL5
630	400	0.56	32	22	13	27.5	7.0	504.0	12.0	20.0	900	0.8	FSA2LK564G212GL5
630	400	0.68	32	24.5	13	27.5	7.5	612.0	10.5	20.0	900	0.8	FSA2LK684G222GL5
630	400	0.82	32	28	14	27.5	8.5	738.0	9.0	20.0	900	0.8	FSA2LK824G262GL5
630	400	1	32	33	18	27.5	10.0	900.0	7.0	20.0	900	0.8	FSA2LK105G342GL5
630	400	1.2	32	33	18	27.5	13.0	1080.0	6.0	20.0	900	0.8	FSA2LK125G342GL5
630	400	1.5	32	37	22	27.5	15.0	1350.0	5.0	20.0	900	1.0	FSA2LK155G402GL5
630	400	1.8	32	37	22	27.5	16.0	1620.0	4.0	20.0	900	1.0	FSA2LK185G402GL5
630	400	0.33	42	22	11	37.5	6.8	165.0	13.0	25.0	500	1.0	FSA2LK334K852KL5
630	400	0.47	42	22	11	37.5	7.0	235.0	12.5	25.0	500	1.0	FSA2LK474K852KL5
630	400	0.56	42	22	11	37.5	7.5	280.0	11.0	25.0	500	1.0	FSA2LK564K852KL5
630	400	0.68	42	22	11	37.5	8.0	340.0	10.5	25.0	500	1.0	FSA2LK684K852KL5

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
630	400	0.82	42	28.5	16	37.5	8.0	410.0	10.5	25.0	500	1.0	FSA2LK824K862KL5
630	400	1.0	42	28.5	16	37.5	8.5	500.0	10.0	25.0	500	1.0	FSA2LK105K862KL5
630	400	1.5	42	28.5	16	37.5	9.5	750.0	9.0	25.0	500	1.0	FSA2LK155K862KL5
630	400	1.8	42	32	19	37.5	10.5	900.0	8.5	25.0	500	1.0	FSA2LK185K212KL5
630	400	2.2	42	40	20	37.5	11.5	1100.0	8.0	25.0	500	1.0	FSA2LK225K242KL5
630	400	2.7	42	40	20	37.5	13.0	1350.0	7.0	25.0	500	1.0	FSA2LK275K242KL5
630	400	3.3	42	44	24	37.5	14.0	1650.0	6.0	25.0	500	1.0	FSA2LK335K322KL5
630	400	3.9	42	45	30	37.5	15.0	1950.0	5.0	25.0	500	1.0	FSA2LK395K422KL5
630	400	4.7	42	50	35	37.5	16.0	2350.0	4.0	25.0	500	1.0	FSA2LK475K472KL5
1000	600	0.0039	13	11	5	10	1.0	25.4	160.0	10.0	6500	0.6	FSA3KK392C132CL5
1000	600	0.0047	13	11	5	10	1.2	30.6	135.0	10.0	6500	0.6	FSA3KK472C132CL5
1000	600	0.0056	13	12	6	10	1.3	36.4	110.0	10.0	6500	0.6	FSA3KK562C162CL5
1000	600	0.0068	13	12	6	10	1.4	44.2	93.0	10.0	6500	0.6	FSA3KK682C162CL5
1000	600	0.0082	18	11	5	15	1.5	28.7	80.0	10.0	3500	0.8	FSA3KK822E142EL5
1000	600	0.01	18	11	5	15	1.8	35.0	62.0	12.0	3500	0.8	FSA3KK103E142EL5
1000	600	0.012	18	11	5	15	2.2	42.0	52.0	12.0	3500	0.8	FSA3KK123E142EL5
1000	600	0.015	18	11	5	15	2.5	52.5	42.0	12.0	3500	0.8	FSA3KK153E142EL5
1000	600	0.018	18	11	5	15	2.7	63.0	35.0	12.0	3500	0.8	FSA3KK183E142EL5
1000	600	0.02	18	12	6	15	2.8	70.0	32.0	10.0	3500	0.8	FSA3KK203E172EL5
1000	600	0.022	18	12	6	15	3.0	77.0	29.0	10.0	3500	0.8	FSA3KK223E172EL5
1000	600	0.027	18	13.5	7.5	15	3.5	94.5	24.0	12.0	3500	0.8	FSA3KK273E292EL5
1000	600	0.033	18	13.5	7.5	15	4.0	115.5	19.0	12.0	3500	0.8	FSA3KK333E292EL5
1000	600	0.039	18	14.5	8.5	15	4.5	136.5	16.0	12.0	3500	0.8	FSA3KK393E342EL5
1000	600	0.047	18	14.5	8.5	15	4.9	164.5	14.0	12.0	3500	0.8	FSA3KK473E342EL5
1000	600	0.027	26	15.5	6	22.5	3.8	56.7	24.0	15.0	2100	0.8	FSA3KK273F142FL5
1000	600	0.033	26	15.5	6	22.5	4.3	69.3	19.0	15.0	2100	0.8	FSA3KK333F142FL5
1000	600	0.039	26	15.5	6	22.5	4.8	81.9	16.0	15.0	2100	0.8	FSA3KK393F142FL5
1000	600	0.047	26	16.5	7	22.5	5.0	98.7	15.0	15.0	2100	0.8	FSA3KK473F172FL5
1000	600	0.056	26	16.5	7	22.5	5.4	117.6	14.5	15.0	2100	0.8	FSA3KK563F172FL5
1000	600	0.068	26	17	8.5	22.5	5.6	142.8	14.0	15.0	2100	0.8	FSA3KK683F202FL5
1000	600	0.082	26	19	10	22.5	5.8	172.2	13.5	15.0	2100	0.8	FSA3KK823F242FL5
1000	600	0.1	26	19	10	22.5	6.0	210.0	13.0	15.0	2100	0.8	FSA3KK104F242FL5
1000	600	0.12	26	20	11	22.5	6.5	180.0	12.5	15.0	1500	0.8	FSA3KK124F262FL5
1000	600	0.15	26	22	12	22.5	7.0	225.0	11.0	15.0	1500	0.8	FSA3KK154F272FL5
1000	600	0.1	32	17	8	27.5	4.5	90.0	25.0	20.0	900	0.8	FSA3KK104G142GL5
1000	600	0.12	32	18	9	27.5	4.8	108.0	22.0	20.0	900	0.8	FSA3KK124G152GL5
1000	600	0.15	32	20	11	27.5	5.0	135.0	21.0	20.0	900	0.8	FSA3KK154G182GL5
1000	600	0.18	32	22	13	27.5	5.5	162.0	18.0	20.0	900	0.8	FSA3KK184G212GL5
1000	600	0.22	32	22	13	27.5	6.0	198.0	14.0	20.0	900	0.8	FSA3KK224G212GL5
1000	600	0.27	32	24.5	13	27.5	6.5	243.0	13.5	20.0	900	0.8	FSA3KK274G222GL5
1000	600	0.33	32	28	14	27.5	7.0	297.0	12.0	20.0	900	0.8	FSA3KK334G262GL5
1000	600	0.39	32	33	18	27.5	7.5	351.0	11.0	20.0	900	0.8	FSA3KK394G342GL5
1000	600	0.47	32	33	18	27.5	8.0	423.0	10.0	20.0	900	0.8	FSA3KK474G342GL5
1000	600	0.56	32	37	22	27.5	8.5	504.0	9.0	20.0	900	1.0	FSA3KK564G402GL5
1000	600	0.68	32	37	22	27.5	9.5	612.0	8.0	20.0	900	1.0	FSA3KK684G402GL5
1000	600	0.18	42	22	11	37.5	6.0	90.0	18.0	25.0	500	1.0	FSA3KK184K852KL5
1000	600	0.22	42	22	11	37.5	6.5	110.0	14.0	25.0	500	1.0	FSA3KK224K852KL5
1000	600	0.27	42	24	13	37.5	6.8	135.0	13.0	25.0	500	1.0	FSA3KK274K112KL5
1000	600	0.33	42	24	13	37.5	7.2	165.0	12.0	25.0	500	1.0	FSA3KK334K112KL5
1000	600	0.39	42	28	17	37.5	7.4	195.0	11.5	25.0	500	1.0	FSA3KK394K172KL5
1000	600	0.47	42	28	17	37.5	7.6	235.0	11.0	25.0	500	1.0	FSA3KK474K172KL5
1000	600	0.56	42	28	17	37.5	8.0	280.0	10.5	25.0	500	1.0	FSA3KK564K172KL5
1000	600	0.68	42	32	19	37.5	8.5	340.0	10.0	25.0	500	1.0	FSA3KK684K212KL5
1000	600	0.82	42	40	20	37.5	10.0	410.0	9.0	25.0	500	1.0	FSA3KK824K242KL5
1000	600	1.0	42	40	20	37.5	11.0	500.0	7.0	25.0	500	1.0	FSA3KK105K242KL5
1000	600	1.2	42	44	24	37.5	12.0	600.0	6.5	25.0	500	1.0	FSA3KK125K322KL5

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
1000	600	1.5	42	44	24	37.5	13.0	750.0	6.0	25.0	500	1.0	FSA3KK155K322KL5
1000	600	1.8	42	45	30	37.5	15.0	900.0	5.0	25.0	500	1.0	FSA3KK185K422KL5
1000	600	2.2	42	45	30	37.5	16.0	1100.0	4.0	25.0	500	1.0	FSA3KK225K422KL5
1600	650	0.0033	18	11	5	15	1.1	19.8	190.0	12.0	6000	0.8	FSA3WK332E142EL5
1600	650	0.0047	18	11	5	15	1.3	28.2	165.0	12.0	6000	0.8	FSA3WK472E142EL5
1600	650	0.0056	18	11	5	15	1.4	33.6	120.0	12.0	6000	0.8	FSA3WK562E142EL5
1600	650	0.0068	18	11	5	15	1.6	40.8	100.0	12.0	6000	0.8	FSA3WK682E142EL5
1600	650	0.0082	18	11	5	15	1.8	49.2	95.0	12.0	6000	0.8	FSA3WK822E142EL5
1600	650	0.01	18	11	5	15	2.0	60.0	65.0	12.0	6000	0.8	FSA3WK103E142EL5
1600	650	0.012	18	12	6	15	2.3	72.0	50.0	12.0	6000	0.8	FSA3WK123E172EL5
1600	650	0.015	18	12	6	15	2.5	90.0	45.0	12.0	6000	0.8	FSA3WK153E172EL5
1600	650	0.018	18	13.5	7.5	15	3.0	108.0	35.0	12.0	6000	0.8	FSA3WK183E292EL5
1600	650	0.022	18	13.5	7.5	15	3.2	132.0	30.0	12.0	6000	0.8	FSA3WK223E292EL5
1600	650	0.027	18	14.5	8.5	15	3.8	162.0	25.0	12.0	6000	0.8	FSA3WK273E342EL5
1600	650	0.033	18	14.5	8.5	15	4.0	198.0	20.0	12.0	6000	0.8	FSA3WK333E342EL5
1600	650	0.015	26	15.5	6	22.5	2.8	45.0	40.0	15.0	3000	0.8	FSA3WK153F142FL5
1600	650	0.022	26	15.5	6	22.5	3.5	66.0	30.0	15.0	3000	0.8	FSA3WK223F142FL5
1600	650	0.033	26	15.5	6	22.5	4.0	99.0	20.0	15.0	3000	0.8	FSA3WK333F142FL5
1600	650	0.039	26	16.5	7	22.5	4.8	117.0	16.0	15.0	3000	0.8	FSA3WK393F172FL5
1600	650	0.047	26	16.5	7	22.5	5.2	141.0	15.0	15.0	3000	0.8	FSA3WK473F172FL5
1600	650	0.056	26	17	8.5	22.5	5.4	168.0	14.0	15.0	3000	0.8	FSA3WK563F202FL5
1600	650	0.068	26	19	10	22.5	5.8	204.0	13.0	15.0	3000	0.8	FSA3WK683F242FL5
1600	650	0.082	26	19	10	22.5	6.0	246.0	12.0	15.0	3000	0.8	FSA3WK823F242FL5
1600	650	0.1	26	20	11	22.5	6.5	300.0	11.0	15.0	3000	0.8	FSA3WK104F262FL5
1600	650	0.039	32	17	8	27.5	3.8	78.0	30.0	20.0	2000	0.8	FSA3WK393G142GL5
1600	650	0.047	32	17	8	27.5	4.0	94.0	29.0	20.0	2000	0.8	FSA3WK473G142GL5
1600	650	0.056	32	17	8	27.5	4.5	112.0	28.0	20.0	2000	0.8	FSA3WK563G142GL5
1600	650	0.068	32	18	9	27.5	5.0	136.0	24.0	20.0	2000	0.8	FSA3WK683G152GL5
1600	650	0.082	32	20	11	27.5	5.5	164.0	20.0	20.0	2000	0.8	FSA3WK823G182GL5
1600	650	0.1	32	22	13	27.5	6.0	200.0	18.0	20.0	2000	0.8	FSA3WK104G212GL5
1600	650	0.12	32	22	13	27.5	6.5	240.0	16.0	20.0	2000	0.8	FSA3WK124G212GL5
1600	650	0.15	32	24.5	13	27.5	7.0	300.0	14.0	20.0	2000	0.8	FSA3WK154G222GL5
1600	650	0.18	32	28	14	27.5	7.5	360.0	12.0	20.0	2000	0.8	FSA3WK184G262GL5
1600	650	0.22	32	33	18	27.5	8.5	440.0	10.0	20.0	2000	0.8	FSA3WK224G342GL5
1600	650	0.27	32	33	18	27.5	9.0	540.0	9.5	20.0	2000	0.8	FSA3WK274G342GL5
1600	650	0.33	32	33	18	27.5	10.0	660.0	8.0	20.0	2000	0.8	FSA3WK334G342GL5
1600	650	0.39	32	37	22	27.5	11.0	780.0	7.0	20.0	2000	1.0	FSA3WK394G402GL5
1600	650	0.47	32	37	22	27.5	12.0	940.0	6.0	20.0	2000	1.0	FSA3WK474G402GL5
1600	650	0.082	42	22	11	37.5	4.8	98.4	28.0	25.0	1200	1.0	FSA3WK823K852KL5
1600	650	0.1	42	22	11	37.5	5.0	120.0	24.0	25.0	1200	1.0	FSA3WK104K852KL5
1600	650	0.12	42	22	11	37.5	5.5	144.0	22.0	25.0	1200	1.0	FSA3WK124K852KL5
1600	650	0.15	42	22	11	37.5	5.8	180.0	20.0	25.0	1200	1.0	FSA3WK154K852KL5
1600	650	0.18	42	24	13	37.5	6.0	216.0	18.0	25.0	1200	1.0	FSA3WK184K112KL5
1600	650	0.22	42	24	13	37.5	6.2	264.0	17.0	25.0	1200	1.0	FSA3WK224K112KL5
1600	650	0.27	42	24	13	37.5	6.5	324.0	15.0	25.0	1200	1.0	FSA3WK274K112KL5
1600	650	0.33	42	28.5	16	37.5	6.8	396.0	14.0	25.0	1200	1.0	FSA3WK334K862KL5
1600	650	0.39	42	28.5	16	37.5	7.5	468.0	12.5	25.0	1200	1.0	FSA3WK394K862KL5
1600	650	0.47	42	32	19	37.5	8.0	564.0	12.0	25.0	1200	1.0	FSA3WK474K212KL5
1600	650	0.56	42	40	20	37.5	9.0	672.0	11.0	25.0	1200	1.0	FSA3WK564K242KL5
1600	650	0.68	42	40	20	37.5	9.5	816.0	10.5	25.0	1200	1.0	FSA3WK684K242KL5
1600	650	0.82	42	44	24	37.5	10.5	984.0	9.0	25.0	1200	1.0	FSA3WK824K322KL5
1600	650	1	42	44	24	37.5	12.0	1200.0	7.5	25.0	1200	1.0	FSA3WK105K322KL5
1600	650	1.2	42	45	30	37.5	14.0	1440.0	6.0	25.0	1200	1.0	FSA3WK125K422KL5
2000	700	0.001	18	11	5	15	0.5	9.5	630.0	12.0	9500	0.8	FSA3DK102E142EL5
2000	700	0.0012	18	11	5	15	0.6	11.4	500.0	12.0	9500	0.8	FSA3DK122E142EL5
2000	700	0.0015	18	11	5	15	0.7	14.3	420.0	12.0	9500	0.8	FSA3DK152E142EL5

Rating and Part Number

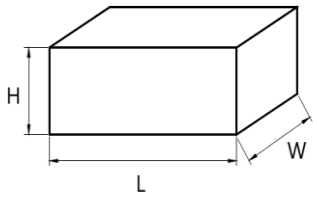
Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
2000	700	0.0018	18	11	5	15	0.8	17.1	350.0	12.0	9500	0.8	FSA3DK182E142EL5
2000	700	0.0022	18	11	5	15	0.9	20.9	300.0	12.0	9500	0.8	FSA3DK222E142EL5
2000	700	0.0027	18	11	5	15	1.0	25.7	240.0	12.0	9500	0.8	FSA3DK272E142EL5
2000	700	0.0033	18	11	5	15	1.2	31.4	190.0	12.0	9500	0.8	FSA3DK332E142EL5
2000	700	0.0039	18	11	5	15	1.3	37.1	165.0	12.0	9500	0.8	FSA3DK392E142EL5
2000	700	0.0047	18	11	5	15	1.4	44.7	135.0	12.0	9500	0.8	FSA3DK472E142EL5
2000	700	0.0056	18	12	6	15	1.6	53.2	110.0	12.0	9500	0.8	FSA3DK562E172EL5
2000	700	0.0068	18	12	6	15	1.8	64.6	95.0	12.0	9500	0.8	FSA3DK682E172EL5
2000	700	0.0082	18	12	6	15	2.0	77.9	80.0	12.0	9500	0.8	FSA3DK822E172EL5
2000	700	0.01	18	13.5	7.5	15	2.5	95.0	65.0	12.0	9500	0.8	FSA3DK103E292EL5
2000	700	0.012	18	14.5	8.5	15	2.8	114.0	50.0	12.0	9500	0.8	FSA3DK123E342EL5
2000	700	0.015	18	14.5	8.5	15	3.0	142.5	45.0	12.0	9500	0.8	FSA3DK153E342EL5
2000	700	0.018	18	16	10	15	3.8	171.0	35.0	12.0	9500	0.8	FSA3DK183E432EL5
2000	700	0.001	26	15.5	6	22.5	0.6	4.5	550.0	15.0	4500	0.8	FSA3DK102F142FL5
2000	700	0.0012	26	15.5	6	22.5	0.7	5.4	450.0	15.0	4500	0.8	FSA3DK122F142FL5
2000	700	0.0015	26	15.5	6	22.5	0.8	6.8	360.0	15.0	4500	0.8	FSA3DK152F142FL5
2000	700	0.0018	26	15.5	6	22.5	0.9	8.1	300.0	15.0	4500	0.8	FSA3DK182F142FL5
2000	700	0.0022	26	15.5	6	22.5	1.0	9.9	250.0	15.0	4500	0.8	FSA3DK222F142FL5
2000	700	0.0027	26	15.5	6	22.5	1.2	12.2	230.0	15.0	4500	0.8	FSA3DK272F142FL5
2000	700	0.0033	26	15.5	6	22.5	1.2	14.9	200.0	15.0	4500	0.8	FSA3DK332F142FL5
2000	700	0.0039	26	15.5	6	22.5	1.4	17.6	180.0	15.0	4500	0.8	FSA3DK392F142FL5
2000	700	0.0047	26	15.5	6	22.5	1.6	21.2	140.0	15.0	4500	0.8	FSA3DK472F142FL5
2000	700	0.0056	26	15.5	6	22.5	1.8	25.2	120.0	15.0	4500	0.8	FSA3DK562F142FL5
2000	700	0.0068	26	15.5	6	22.5	2.0	30.6	95.0	15.0	4500	0.8	FSA3DK682F142FL5
2000	700	0.0082	26	15.5	6	22.5	2.2	36.9	75.0	15.0	4500	0.8	FSA3DK822F142FL5
2000	700	0.01	26	15.5	6	22.5	2.3	45.0	65.0	15.0	4500	0.8	FSA3DK103F142FL5
2000	700	0.012	26	15.5	6	22.5	2.5	54.0	60.0	15.0	4500	0.8	FSA3DK123F142FL5
2000	700	0.015	26	15.5	6	22.5	2.8	67.5	45.0	15.0	4500	0.8	FSA3DK153F142FL5
2000	700	0.018	26	15.5	6	22.5	3.2	81.0	35.0	15.0	4500	0.8	FSA3DK183F142FL5
2000	700	0.022	26	16.5	7	22.5	4.0	99.0	26.0	15.0	4500	0.8	FSA3DK223F172FL5
2000	700	0.027	26	16.5	7	22.5	4.5	121.5	20.0	15.0	4500	0.8	FSA3DK273F172FL5
2000	700	0.033	26	17	8.5	22.5	5.2	148.5	18.0	15.0	4500	0.8	FSA3DK333F202FL5
2000	700	0.039	26	19	10	22.5	5.8	175.5	15.0	15.0	4500	0.8	FSA3DK393F242FL5
2000	700	0.047	26	19	10	22.5	6.0	211.5	13.0	15.0	4500	0.8	FSA3DK473F242FL5
2000	700	0.056	26	20	11	22.5	6.5	252.0	12.0	15.0	4500	0.8	FSA3DK563F262FL5
2000	700	0.022	32	17	8	27.5	3.0	55.0	45.0	20.0	2500	0.8	FSA3DK223G142GL5
2000	700	0.027	32	17	8	27.5	3.5	67.5	40.0	20.0	2500	0.8	FSA3DK273G142GL5
2000	700	0.033	32	18	9	27.5	4.0	82.5	35.0	20.0	2500	0.8	FSA3DK333G152GL5
2000	700	0.039	32	20	11	27.5	4.5	97.5	28.0	20.0	2500	0.8	FSA3DK393G182GL5
2000	700	0.047	32	20	11	27.5	4.8	117.5	25.0	20.0	2500	0.8	FSA3DK473G182GL5
2000	700	0.056	32	22	13	27.5	5.0	140.0	24.0	20.0	2500	0.8	FSA3DK563G212GL5
2000	700	0.068	32	22	13	27.5	5.5	170.0	22.0	20.0	2500	0.8	FSA3DK683G212GL5
2000	700	0.082	32	24.5	13	27.5	6.0	205.0	20.0	20.0	2500	0.8	FSA3DK823G222GL5
2000	700	0.1	32	28	14	27.5	6.5	250.0	18.0	20.0	2500	0.8	FSA3DK104G262GL5
2000	700	0.12	32	33	18	27.5	7.0	300.0	16.0	20.0	2500	0.8	FSA3DK124G342GL5
2000	700	0.15	32	33	18	27.5	7.5	375.0	14.0	20.0	2500	0.8	FSA3DK154G342GL5
2000	700	0.18	32	37	22	27.5	8.0	450.0	12.0	20.0	2500	1.0	FSA3DK184G402GL5
2000	700	0.22	32	37	22	27.5	8.5	550.0	10.0	20.0	2500	1.0	FSA3DK224G402GL5
2000	700	0.033	42	22	11	37.5	4.0	49.5	35.0	25.0	1500	1.0	FSA3DK333K852KL5
2000	700	0.039	42	22	11	37.5	4.5	58.5	28.0	25.0	1500	1.0	FSA3DK393K852KL5
2000	700	0.047	42	22	11	37.5	4.8	70.5	26.0	25.0	1500	1.0	FSA3DK473K852KL5
2000	700	0.056	42	22	11	37.5	5.0	84.0	24.0	25.0	1500	1.0	FSA3DK563K852KL5
2000	700	0.068	42	22	11	37.5	5.4	102.0	23.0	25.0	1500	1.0	FSA3DK683K852KL5
2000	700	0.082	42	22	11	37.5	5.8	123.0	22.0	25.0	1500	1.0	FSA3DK823K852KL5
2000	700	0.1	42	24	13	37.5	6.5	150.0	18.0	25.0	1500	1.0	FSA3DK104K112KL5
2000	700	0.12	42	24	13	37.5	7.0	180.0	16.0	25.0	1500	1.0	FSA3DK124K112KL5

Rating and Part Number

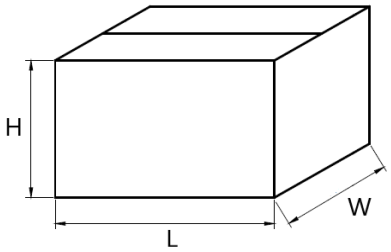
Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Tvpical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
		μF	W mm	H mm	T mm	P mm	70°CA	A	mΩ	nH	V/us	mm	
2000	700	0.15	42	28.5	16	37.5	7.5	225.0	15.0	25.0	1500	1.0	FSA3DK154K862KL5
2000	700	0.18	42	28.5	16	37.5	8.0	270.0	14.0	25.0	1500	1.0	FSA3DK184K862KL5
2000	700	0.22	42	32	19	37.5	8.5	330.0	12.0	25.0	1500	1.0	FSA3DK224K212KL5
2000	700	0.27	42	40	20	37.5	9.0	405.0	11.0	25.0	1500	1.0	FSA3DK274K242KL5
2000	700	0.33	42	40	20	37.5	9.5	495.0	10.5	25.0	1500	1.0	FSA3DK334K242KL5
2000	700	0.39	42	44	24	37.5	10.0	585.0	9.5	25.0	1500	1.0	FSA3DK394K322KL5
2000	700	0.47	42	44	24	37.5	10.5	705.0	9.0	25.0	1500	1.0	FSA3DK474K322KL5
2000	700	0.56	42	45	30	37.5	12.0	840.0	7.5	25.0	1500	1.0	FSA3DK564K422KL5
2000	700	0.68	42	45	30	37.5	14.0	1020.0	6.0	25.0	1500	1.0	FSA3DK684K422KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
	C24	13	13	7	1,200	1,056	480
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6	612	612	350
	F17	26	16.5	7	528	528	300
	F20	26	17	8.5	432	432	250
	F24	26	19	10	372	372	210
	F26	26	20	11	336	336	190
	F27	26	22	12	300	300	170
27.5	G14	32	17	8	380	380	
	G15	32	18	9	340	340	
	G18	32	20	11	280	280	
	G21	32	22	13	230	230	
	G22	32	24.5	13	230	230	
	G26	32	28	14	220	220	
	G34	32	33	18	170	170	
	G40	32	37	22	140	140	
37.5	K11	42	24	13	161	161	
	K17	42	28	17	126	126	
	K21	42	32	19	112	112	
	K24	42	40	20	105	105	
	K32	42	44	24	91	91	
	K42	42	45	30	70	70	
	K47	42	50	35	63	63	
	K85	42	22	11	196	196	
	K86	42	28.5	16	133	133	

Overview

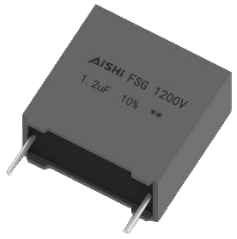
The FSG capacitor is constructed of metallized polypropylene film with double-sided metallized film encapsulated with epoxy resin in a plastic box, with tinned copper wires. The FSG series is suitable for harsh environmental conditions and compliant to THB Grade IIIB.

Applications

Widely used in high voltage, high frequency circuit, snubber and SCR commutating circuits.

Features

- High ripple current
- Self-healing property
- Low losses
- Small inherent temperature rise
- High contact reliability
- Operating temperature range: - 40°C to 105°C
- Suitable for harsh environmental conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{NDC})



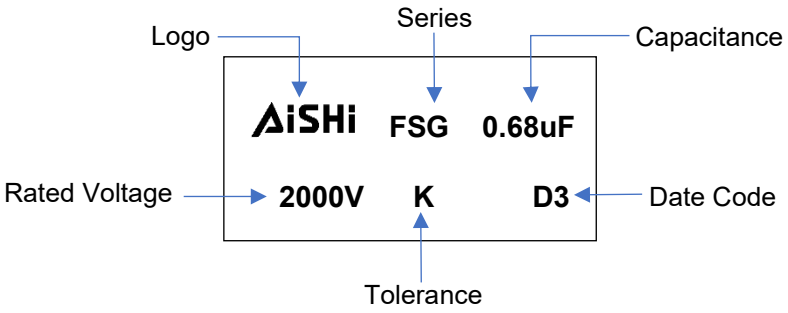
Qualification

Reference Standard	IEC 61071, EN 61071
Climate Category	40/105/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	630Vdc to 2000Vdc
Capacitance Range	0.001μF to 4.7μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-55°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	55/105/56 IEC 60068-1
Dissipation Factor	0.0010（0.1%） at 25°C，1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 100 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 30 000 s

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	SQ	3D	K	684	K42	2KL	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Snubber, pulse Capacitor, AEC-Q200, Double-sided Metallized PP Film	630=2L 1000=3K 1200=3B 1600=3W 2000=3D	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

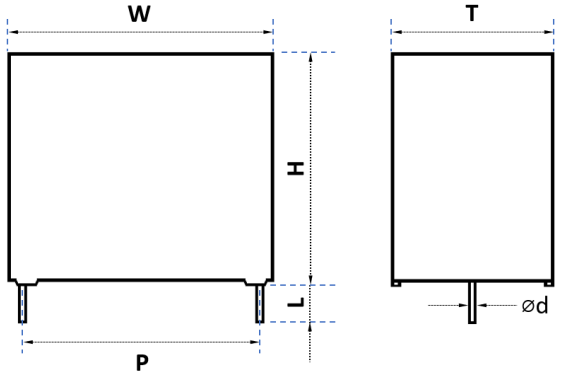
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	15.0mm	E	10.2mm	B
2 leads for straight cut	2	22.5mm	F	12.7mm	G
2 leads for forming cut	E	27.5mm	G	20.3mm	D
4 leads for straight cut	4	37.5mm	K	N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C13	13	0.5	11	0.5	5	0.5	10	0.5	0.6	0.05
C16	13	0.5	12	0.5	6	0.5	10	0.5	0.6	0.05
C24	13	0.5	13	0.5	7	0.5	10	0.5	0.6	0.05
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.8	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.8	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
G14	32	0.8	17	0.8	8	0.8	27.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	1.0	0.05
K11	42	0.8	24	0.8	13	0.8	37.5	0.5	1.0	0.05
K17	42	0.8	28	0.8	17	0.8	37.5	0.5	1.0	0.05
K21	42	0.8	32	0.8	19	0.8	37.5	0.5	1.0	0.05
K24	42	0.8	40	0.8	20	0.8	37.5	0.5	1.0	0.05
K32	42	0.8	44	0.8	24	0.8	37.5	0.5	1.0	0.05
K42	42	0.8	45	0.8	30	0.8	37.5	0.5	1.0	0.05
K47	42	0.8	50	0.8	35	0.8	37.5	0.5	1.0	0.05
K85	42	0.8	22	0.8	11	0.8	37.5	0.5	1.0	0.05
K86	42	0.8	28.5	0.8	16	0.8	37.5	0.5	1.0	0.05

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
630	400	0.01	18	11	5	15	1.8	30.0	62.0	12.0	3000	0.8	FSG2LK103E142EL5
630	400	0.012	18	11	5	15	2.2	36.0	52.0	12.0	3000	0.8	FSG2LK123E142EL5
630	400	0.015	18	11	5	15	2.5	45.0	42.0	12.0	3000	0.8	FSG2LK153E142EL5
630	400	0.018	18	11	5	15	2.7	54.0	35.0	12.0	3000	0.8	FSG2LK183E142EL5
630	400	0.02	18	11	5	15	2.8	60.0	32.0	12.0	3000	0.8	FSG2LK203E142EL5
630	400	0.022	18	11	5	15	2.9	66.0	30.0	12.0	3000	0.8	FSG2LK223E142EL5
630	400	0.027	18	12	6	15	3.2	81.0	25.0	12.0	3000	0.8	FSG2LK273E172EL5
630	400	0.033	18	12	6	15	3.7	99.0	20.0	12.0	3000	0.8	FSG2LK333E172EL5
630	400	0.039	18	12	6	15	3.9	117.0	16.0	12.0	3000	0.8	FSG2LK393E172EL5
630	400	0.047	18	13.5	7.5	15	4.5	141.0	15.0	12.0	3000	0.8	FSG2LK473E292EL5
630	400	0.056	18	13.5	7.5	15	4.6	168.0	14.0	12.0	3000	0.8	FSG2LK563E292EL5
630	400	0.068	18	14.5	8.5	15	4.7	204.0	13.5	12.0	3000	0.8	FSG2LK683E342EL5
630	400	0.082	18	16	10	15	4.8	246.0	13.2	12.0	3000	0.8	FSG2LK823E432EL5
630	400	0.1	18	16	10	15	5.0	300.0	13.0	12.0	3000	0.8	FSG2LK104E432EL5
630	400	0.12	18	19	11	15	5.4	360.0	12.5	12.0	3000	0.8	FSG2LK124E472EL5
630	400	0.047	26	15.5	6	22.5	3.8	70.5	20.0	15.0	1500	0.8	FSG2LK473F142FL5
630	400	0.056	26	15.5	6	22.5	4.0	84.0	19.5	15.0	1500	0.8	FSG2LK563F142FL5
630	400	0.068	26	15.5	6	22.5	4.2	102.0	19.0	15.0	1500	0.8	FSG2LK683F142FL5
630	400	0.082	26	15.5	6	22.5	4.5	123.0	18.0	15.0	1500	0.8	FSG2LK823F142FL5
630	400	0.1	26	15.5	6	22.5	5.0	150.0	16.0	15.0	1500	0.8	FSG2LK104F142FL5
630	400	0.12	26	16.5	7	22.5	5.3	180.0	14.0	15.0	1500	0.8	FSG2LK124F172FL5
630	400	0.15	26	17	8.5	22.5	6.0	225.0	11.0	15.0	1500	0.8	FSG2LK154F202FL5
630	400	0.18	26	17	8.5	22.5	6.5	270.0	10.0	15.0	1500	0.8	FSG2LK184F202FL5
630	400	0.22	26	19	10	22.5	7.5	330.0	8.5	15.0	1500	0.8	FSG2LK224F242FL5
630	400	0.27	26	20	11	22.5	8.5	405.0	6.5	15.0	1500	0.8	FSG2LK274F262FL5
630	400	0.33	26	20	11	22.5	9.0	495.0	6.0	15.0	1500	0.8	FSG2LK334F262FL5
630	400	0.39	26	22	12	22.5	10.0	585.0	5.0	15.0	1500	0.8	FSG2LK394F272FL5
630	400	0.15	32	17	8	27.5	4.6	135.0	25.0	20.0	900	0.8	FSG2LK154G142GL5
630	400	0.18	32	17	8	27.5	4.8	162.0	22.0	20.0	900	0.8	FSG2LK184G142GL5
630	400	0.22	32	18	9	27.5	5.0	198.0	20.0	20.0	900	0.8	FSG2LK224G152GL5
630	400	0.27	32	20	11	27.5	5.5	243.0	17.5	20.0	900	0.8	FSG2LK274G182GL5
630	400	0.33	32	20	11	27.5	5.8	297.0	16.5	20.0	900	0.8	FSG2LK334G182GL5
630	400	0.39	32	20	11	27.5	6.0	351.0	16.0	20.0	900	0.8	FSG2LK394G182GL5
630	400	0.47	32	22	13	27.5	6.5	423.0	14.0	20.0	900	0.8	FSG2LK474G212GL5
630	400	0.56	32	22	13	27.5	7.0	504.0	12.0	20.0	900	0.8	FSG2LK564G212GL5
630	400	0.68	32	24.5	13	27.5	7.5	612.0	10.5	20.0	900	0.8	FSG2LK684G222GL5
630	400	0.82	32	28	14	27.5	8.5	738.0	9.0	20.0	900	0.8	FSG2LK824G262GL5
630	400	1	32	33	18	27.5	10.0	900.0	7.0	20.0	900	0.8	FSG2LK105G342GL5
630	400	1.2	32	33	18	27.5	13.0	1080.0	6.0	20.0	900	0.8	FSG2LK125G342GL5
630	400	1.5	32	37	22	27.5	15.0	1350.0	5.0	20.0	900	1.0	FSG2LK155G402GL5
630	400	1.8	32	37	22	27.5	16.0	1620.0	4.0	20.0	900	1.0	FSG2LK185G402GL5
630	400	0.33	42	22	11	37.5	6.8	165.0	13.0	25.0	500	1.0	FSG2LK334K852KL5
630	400	0.47	42	22	11	37.5	7.0	235.0	12.5	25.0	500	1.0	FSG2LK474K852KL5
630	400	0.56	42	22	11	37.5	7.5	280.0	11.0	25.0	500	1.0	FSG2LK564K852KL5
630	400	0.68	42	22	11	37.5	8.0	340.0	10.5	25.0	500	1.0	FSG2LK684K852KL5
630	400	0.82	42	28.5	16	37.5	8.0	410.0	10.5	25.0	500	1.0	FSG2LK824K862KL5
630	400	1.0	42	28.5	16	37.5	8.5	500.0	10.0	25.0	500	1.0	FSG2LK105K862KL5
630	400	1.5	42	28.5	16	37.5	9.5	750.0	9.0	25.0	500	1.0	FSG2LK155K862KL5
630	400	1.8	42	32	19	37.5	10.5	900.0	8.5	25.0	500	1.0	FSG2LK185K212KL5
630	400	2.2	42	40	20	37.5	11.5	1100.0	8.0	25.0	500	1.0	FSG2LK225K242KL5
630	400	2.7	42	40	20	37.5	13.0	1350.0	7.0	25.0	500	1.0	FSG2LK275K242KL5
630	400	3.3	42	44	24	37.5	14.0	1650.0	6.0	25.0	500	1.0	FSG2LK335K322KL5
630	400	3.9	42	45	30	37.5	15.0	1950.0	5.0	25.0	500	1.0	FSG2LK395K422KL5
630	400	4.7	42	50	35	37.5	16.0	2350.0	4.0	25.0	500	1.0	FSG2LK475K472KL5
1000	600	0.0082	18	11	5	15	1.5	28.7	80.0	10.0	3500	0.8	FSG3KK822E142EL5
1000	600	0.01	18	11	5	15	1.8	35.0	62.0	12.0	3500	0.8	FSG3KK103E142EL5

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
1000	600	0.012	18	11	5	15	2.2	42.0	52.0	12.0	3500	0.8	FSG3KK123E142EL5
1000	600	0.015	18	11	5	15	2.5	52.5	42.0	12.0	3500	0.8	FSG3KK153E142EL5
1000	600	0.018	18	11	5	15	2.7	63.0	35.0	12.0	3500	0.8	FSG3KK183E142EL5
1000	600	0.02	18	12	6	15	2.8	70.0	32.0	10.0	3500	0.8	FSG3KK203E172EL5
1000	600	0.022	18	12	6	15	3.0	77.0	29.0	10.0	3500	0.8	FSG3KK223E172EL5
1000	600	0.027	18	13.5	7.5	15	3.5	94.5	24.0	12.0	3500	0.8	FSG3KK273E292EL5
1000	600	0.033	18	13.5	7.5	15	4.0	115.5	19.0	12.0	3500	0.8	FSG3KK333E292EL5
1000	600	0.039	18	14.5	8.5	15	4.5	136.5	16.0	12.0	3500	0.8	FSG3KK393E342EL5
1000	600	0.047	18	14.5	8.5	15	4.9	164.5	14.0	12.0	3500	0.8	FSG3KK473E342EL5
1000	600	0.027	26	15.5	6	22.5	3.8	56.7	24.0	15.0	2100	0.8	FSG3KK273F142FL5
1000	600	0.033	26	15.5	6	22.5	4.3	69.3	19.0	15.0	2100	0.8	FSG3KK333F142FL5
1000	600	0.039	26	15.5	6	22.5	4.8	81.9	16.0	15.0	2100	0.8	FSG3KK393F142FL5
1000	600	0.047	26	16.5	7	22.5	5.0	98.7	15.0	15.0	2100	0.8	FSG3KK473F172FL5
1000	600	0.056	26	16.5	7	22.5	5.4	117.6	14.5	15.0	2100	0.8	FSG3KK563F172FL5
1000	600	0.068	26	17	8.5	22.5	5.6	142.8	14.0	15.0	2100	0.8	FSG3KK683F202FL5
1000	600	0.082	26	19	10	22.5	5.8	172.2	13.5	15.0	2100	0.8	FSG3KK823F242FL5
1000	600	0.1	26	19	10	22.5	6.0	210.0	13.0	15.0	2100	0.8	FSG3KK104F242FL5
1000	600	0.12	26	20	11	22.5	6.5	180.0	12.5	15.0	1500	0.8	FSG3KK124F262FL5
1000	600	0.15	26	22	12	22.5	7.0	225.0	11.0	15.0	1500	0.8	FSG3KK154F272FL5
1000	600	0.1	32	17	8	27.5	4.5	90.0	25.0	20.0	900	0.8	FSG3KK104G142GL5
1000	600	0.12	32	18	9	27.5	4.8	108.0	22.0	20.0	900	0.8	FSG3KK124G152GL5
1000	600	0.15	32	20	11	27.5	5.0	135.0	21.0	20.0	900	0.8	FSG3KK154G182GL5
1000	600	0.18	32	22	13	27.5	5.5	162.0	18.0	20.0	900	0.8	FSG3KK184G212GL5
1000	600	0.22	32	22	13	27.5	6.0	198.0	14.0	20.0	900	0.8	FSG3KK224G212GL5
1000	600	0.27	32	24.5	13	27.5	6.5	243.0	13.5	20.0	900	0.8	FSG3KK274G222GL5
1000	600	0.33	32	28	14	27.5	7.0	297.0	12.0	20.0	900	0.8	FSG3KK334G262GL5
1000	600	0.39	32	33	18	27.5	7.5	351.0	11.0	20.0	900	0.8	FSG3KK394G342GL5
1000	600	0.47	32	33	18	27.5	8.0	423.0	10.0	20.0	900	0.8	FSG3KK474G342GL5
1000	600	0.56	32	37	22	27.5	8.5	504.0	9.0	20.0	900	1.0	FSG3KK564G402GL5
1000	600	0.68	32	37	22	27.5	9.5	612.0	8.0	20.0	900	1.0	FSG3KK684G402GL5
1000	600	0.18	42	22	11	37.5	6.0	90.0	18.0	25.0	500	1.0	FSG3KK184K852KL5
1000	600	0.22	42	22	11	37.5	6.5	110.0	14.0	25.0	500	1.0	FSG3KK224K852KL5
1000	600	0.27	42	24	13	37.5	6.8	135.0	13.0	25.0	500	1.0	FSG3KK274K112KL5
1000	600	0.33	42	24	13	37.5	7.2	165.0	12.0	25.0	500	1.0	FSG3KK334K112KL5
1000	600	0.39	42	28	17	37.5	7.4	195.0	11.5	25.0	500	1.0	FSG3KK394K172KL5
1000	600	0.47	42	28	17	37.5	7.6	235.0	11.0	25.0	500	1.0	FSG3KK474K172KL5
1000	600	0.56	42	28	17	37.5	8.0	280.0	10.5	25.0	500	1.0	FSG3KK564K172KL5
1000	600	0.68	42	32	19	37.5	8.5	340.0	10.0	25.0	500	1.0	FSG3KK684K212KL5
1000	600	0.82	42	40	20	37.5	10.0	410.0	9.0	25.0	500	1.0	FSG3KK824K242KL5
1000	600	1.0	42	40	20	37.5	11.0	500.0	7.0	25.0	500	1.0	FSG3KK105K242KL5
1000	600	1.2	42	44	24	37.5	12.0	600.0	6.5	25.0	500	1.0	FSG3KK125K322KL5
1000	600	1.5	42	44	24	37.5	13.0	750.0	6.0	25.0	500	1.0	FSG3KK155K322KL5
1000	600	1.8	42	45	30	37.5	15.0	900.0	5.0	25.0	500	1.0	FSG3KK185K422KL5
1000	600	2.2	42	45	30	37.5	16.0	1100.0	4.0	25.0	500	1.0	FSG3KK225K422KL5
1600	650	0.0033	18	11	5	15	1.1	19.8	190.0	12.0	6000	0.8	FSG3WK332E142EL5
1600	650	0.0047	18	11	5	15	1.3	28.2	165.0	12.0	6000	0.8	FSG3WK472E142EL5
1600	650	0.0056	18	11	5	15	1.4	33.6	120.0	12.0	6000	0.8	FSG3WK562E142EL5
1600	650	0.0068	18	11	5	15	1.6	40.8	100.0	12.0	6000	0.8	FSG3WK682E142EL5
1600	650	0.0082	18	11	5	15	1.8	49.2	95.0	12.0	6000	0.8	FSG3WK822E142EL5
1600	650	0.01	18	11	5	15	2.0	60.0	65.0	12.0	6000	0.8	FSG3WK103E142EL5
1600	650	0.012	18	12	6	15	2.3	72.0	50.0	12.0	6000	0.8	FSG3WK123E172EL5
1600	650	0.015	18	12	6	15	2.5	90.0	45.0	12.0	6000	0.8	FSG3WK153E172EL5
1600	650	0.018	18	13.5	7.5	15	3.0	108.0	35.0	12.0	6000	0.8	FSG3WK183E292EL5
1600	650	0.022	18	13.5	7.5	15	3.2	132.0	30.0	12.0	6000	0.8	FSG3WK223E292EL5
1600	650	0.027	18	14.5	8.5	15	3.8	162.0	25.0	12.0	6000	0.8	FSG3WK273E342EL5
1600	650	0.033	18	14.5	8.5	15	4.0	198.0	20.0	12.0	6000	0.8	FSG3WK333E342EL5

Rating and Part Number

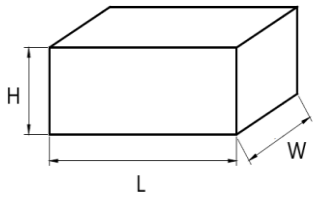
Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
1600	650	0.015	26	15.5	6	22.5	2.8	45.0	40.0	15.0	3000	0.8	FSG3WK153F142FL5
1600	650	0.022	26	15.5	6	22.5	3.5	66.0	30.0	15.0	3000	0.8	FSG3WK223F142FL5
1600	650	0.033	26	15.5	6	22.5	4.0	99.0	20.0	15.0	3000	0.8	FSG3WK333F142FL5
1600	650	0.039	26	16.5	7	22.5	4.8	117.0	16.0	15.0	3000	0.8	FSG3WK393F172FL5
1600	650	0.047	26	16.5	7	22.5	5.2	141.0	15.0	15.0	3000	0.8	FSG3WK473F172FL5
1600	650	0.056	26	17	8.5	22.5	5.4	168.0	14.0	15.0	3000	0.8	FSG3WK563F202FL5
1600	650	0.068	26	19	10	22.5	5.8	204.0	13.0	15.0	3000	0.8	FSG3WK683F242FL5
1600	650	0.082	26	19	10	22.5	6.0	246.0	12.0	15.0	3000	0.8	FSG3WK823F242FL5
1600	650	0.1	26	20	11	22.5	6.5	300.0	11.0	15.0	3000	0.8	FSG3WK104F262FL5
1600	650	0.039	32	17	8	27.5	3.8	78.0	30.0	20.0	2000	0.8	FSG3WK393G142GL5
1600	650	0.047	32	17	8	27.5	4.0	94.0	29.0	20.0	2000	0.8	FSG3WK473G142GL5
1600	650	0.056	32	17	8	27.5	4.5	112.0	28.0	20.0	2000	0.8	FSG3WK563G142GL5
1600	650	0.068	32	18	9	27.5	5.0	136.0	24.0	20.0	2000	0.8	FSG3WK683G152GL5
1600	650	0.082	32	20	11	27.5	5.5	164.0	20.0	20.0	2000	0.8	FSG3WK823G182GL5
1600	650	0.1	32	22	13	27.5	6.0	200.0	18.0	20.0	2000	0.8	FSG3WK104G212GL5
1600	650	0.12	32	22	13	27.5	6.5	240.0	16.0	20.0	2000	0.8	FSG3WK124G212GL5
1600	650	0.15	32	24.5	13	27.5	7.0	300.0	14.0	20.0	2000	0.8	FSG3WK154G222GL5
1600	650	0.18	32	28	14	27.5	7.5	360.0	12.0	20.0	2000	0.8	FSG3WK184G262GL5
1600	650	0.22	32	33	18	27.5	8.5	440.0	10.0	20.0	2000	0.8	FSG3WK224G342GL5
1600	650	0.27	32	33	18	27.5	9.0	540.0	9.5	20.0	2000	0.8	FSG3WK274G342GL5
1600	650	0.33	32	33	18	27.5	10.0	660.0	8.0	20.0	2000	0.8	FSG3WK334G342GL5
1600	650	0.39	32	37	22	27.5	11.0	780.0	7.0	20.0	2000	1.0	FSG3WK394G402GL5
1600	650	0.47	32	37	22	27.5	12.0	940.0	6.0	20.0	2000	1.0	FSG3WK474G402GL5
1600	650	0.082	42	22	11	37.5	4.8	98.4	28.0	25.0	1200	1.0	FSG3WK823K852KL5
1600	650	0.1	42	22	11	37.5	5.0	120.0	24.0	25.0	1200	1.0	FSG3WK104K852KL5
1600	650	0.12	42	22	11	37.5	5.5	144.0	22.0	25.0	1200	1.0	FSG3WK124K852KL5
1600	650	0.15	42	22	11	37.5	5.8	180.0	20.0	25.0	1200	1.0	FSG3WK154K852KL5
1600	650	0.18	42	24	13	37.5	6.0	216.0	18.0	25.0	1200	1.0	FSG3WK184K112KL5
1600	650	0.22	42	24	13	37.5	6.2	264.0	17.0	25.0	1200	1.0	FSG3WK224K112KL5
1600	650	0.27	42	24	13	37.5	6.5	324.0	15.0	25.0	1200	1.0	FSG3WK274K112KL5
1600	650	0.33	42	28.5	16	37.5	6.8	396.0	14.0	25.0	1200	1.0	FSG3WK334K862KL5
1600	650	0.39	42	28.5	16	37.5	7.5	468.0	12.5	25.0	1200	1.0	FSG3WK394K862KL5
1600	650	0.47	42	32	19	37.5	8.0	564.0	12.0	25.0	1200	1.0	FSG3WK474K212KL5
1600	650	0.56	42	40	20	37.5	9.0	672.0	11.0	25.0	1200	1.0	FSG3WK564K242KL5
1600	650	0.68	42	40	20	37.5	9.5	816.0	10.5	25.0	1200	1.0	FSG3WK684K242KL5
1600	650	0.82	42	44	24	37.5	10.5	984.0	9.0	25.0	1200	1.0	FSG3WK824K322KL5
1600	650	1	42	44	24	37.5	12.0	1200.0	7.5	25.0	1200	1.0	FSG3WK105K322KL5
1600	650	1.2	42	45	30	37.5	14.0	1440.0	6.0	25.0	1200	1.0	FSG3WK125K422KL5
2000	700	0.001	18	11	5	15	0.5	9.5	630.0	12.0	9500	0.8	FSG3DK102E142EL5
2000	700	0.0012	18	11	5	15	0.6	11.4	500.0	12.0	9500	0.8	FSG3DK122E142EL5
2000	700	0.0015	18	11	5	15	0.7	14.3	420.0	12.0	9500	0.8	FSG3DK152E142EL5
2000	700	0.0018	18	11	5	15	0.8	17.1	350.0	12.0	9500	0.8	FSG3DK182E142EL5
2000	700	0.0022	18	11	5	15	0.9	20.9	300.0	12.0	9500	0.8	FSG3DK222E142EL5
2000	700	0.0027	18	11	5	15	1.0	25.7	240.0	12.0	9500	0.8	FSG3DK272E142EL5
2000	700	0.0033	18	11	5	15	1.2	31.4	190.0	12.0	9500	0.8	FSG3DK332E142EL5
2000	700	0.0039	18	11	5	15	1.3	37.1	165.0	12.0	9500	0.8	FSG3DK392E142EL5
2000	700	0.0047	18	11	5	15	1.4	44.7	135.0	12.0	9500	0.8	FSG3DK472E142EL5
2000	700	0.0056	18	12	6	15	1.6	53.2	110.0	12.0	9500	0.8	FSG3DK562E172EL5
2000	700	0.0068	18	12	6	15	1.8	64.6	95.0	12.0	9500	0.8	FSG3DK682E172EL5
2000	700	0.0082	18	12	6	15	2.0	77.9	80.0	12.0	9500	0.8	FSG3DK822E172EL5
2000	700	0.01	18	13.5	7.5	15	2.5	95.0	65.0	12.0	9500	0.8	FSG3DK103E292EL5
2000	700	0.012	18	14.5	8.5	15	2.8	114.0	50.0	12.0	9500	0.8	FSG3DK123E342EL5
2000	700	0.015	18	14.5	8.5	15	3.0	142.5	45.0	12.0	9500	0.8	FSG3DK153E342EL5
2000	700	0.018	18	16	10	15	3.8	171.0	35.0	12.0	9500	0.8	FSG3DK183E432EL5
2000	700	0.001	26	15.5	6	22.5	0.6	4.5	550.0	15.0	4500	0.8	FSG3DK102F142FL5
2000	700	0.0012	26	15.5	6	22.5	0.7	5.4	450.0	15.0	4500	0.8	FSG3DK122F142FL5

Rating and Part Number

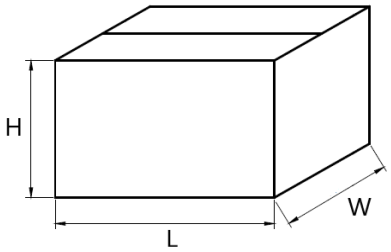
Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
2000	700	0.0015	26	15.5	6	22.5	0.8	6.8	360.0	15.0	4500	0.8	FSG3DK152F142FL5
2000	700	0.0018	26	15.5	6	22.5	0.9	8.1	300.0	15.0	4500	0.8	FSG3DK182F142FL5
2000	700	0.0022	26	15.5	6	22.5	1.0	9.9	250.0	15.0	4500	0.8	FSG3DK222F142FL5
2000	700	0.0027	26	15.5	6	22.5	1.2	12.2	230.0	15.0	4500	0.8	FSG3DK272F142FL5
2000	700	0.0033	26	15.5	6	22.5	1.2	14.9	200.0	15.0	4500	0.8	FSG3DK332F142FL5
2000	700	0.0039	26	15.5	6	22.5	1.4	17.6	180.0	15.0	4500	0.8	FSG3DK392F142FL5
2000	700	0.0047	26	15.5	6	22.5	1.6	21.2	140.0	15.0	4500	0.8	FSG3DK472F142FL5
2000	700	0.0056	26	15.5	6	22.5	1.8	25.2	120.0	15.0	4500	0.8	FSG3DK562F142FL5
2000	700	0.0068	26	15.5	6	22.5	2.0	30.6	95.0	15.0	4500	0.8	FSG3DK682F142FL5
2000	700	0.0082	26	15.5	6	22.5	2.2	36.9	75.0	15.0	4500	0.8	FSG3DK822F142FL5
2000	700	0.01	26	15.5	6	22.5	2.3	45.0	65.0	15.0	4500	0.8	FSG3DK103F142FL5
2000	700	0.012	26	15.5	6	22.5	2.5	54.0	60.0	15.0	4500	0.8	FSG3DK123F142FL5
2000	700	0.015	26	15.5	6	22.5	2.8	67.5	45.0	15.0	4500	0.8	FSG3DK153F142FL5
2000	700	0.018	26	15.5	6	22.5	3.2	81.0	35.0	15.0	4500	0.8	FSG3DK183F142FL5
2000	700	0.022	26	16.5	7	22.5	4.0	99.0	26.0	15.0	4500	0.8	FSG3DK223F172FL5
2000	700	0.027	26	16.5	7	22.5	4.5	121.5	20.0	15.0	4500	0.8	FSG3DK273F172FL5
2000	700	0.033	26	17	8.5	22.5	5.2	148.5	18.0	15.0	4500	0.8	FSG3DK333F202FL5
2000	700	0.039	26	19	10	22.5	5.8	175.5	15.0	15.0	4500	0.8	FSG3DK393F242FL5
2000	700	0.047	26	19	10	22.5	6.0	211.5	13.0	15.0	4500	0.8	FSG3DK473F242FL5
2000	700	0.056	26	20	11	22.5	6.5	252.0	12.0	15.0	4500	0.8	FSG3DK563F262FL5
2000	700	0.022	32	17	8	27.5	3.0	55.0	45.0	20.0	2500	0.8	FSG3DK223G142GL5
2000	700	0.027	32	17	8	27.5	3.5	67.5	40.0	20.0	2500	0.8	FSG3DK273G142GL5
2000	700	0.033	32	18	9	27.5	4.0	82.5	35.0	20.0	2500	0.8	FSG3DK333G152GL5
2000	700	0.039	32	20	11	27.5	4.5	97.5	28.0	20.0	2500	0.8	FSG3DK393G182GL5
2000	700	0.047	32	20	11	27.5	4.8	117.5	25.0	20.0	2500	0.8	FSG3DK473G182GL5
2000	700	0.056	32	22	13	27.5	5.0	140.0	24.0	20.0	2500	0.8	FSG3DK563G212GL5
2000	700	0.068	32	22	13	27.5	5.5	170.0	22.0	20.0	2500	0.8	FSG3DK683G212GL5
2000	700	0.082	32	24.5	13	27.5	6.0	205.0	20.0	20.0	2500	0.8	FSG3DK823G222GL5
2000	700	0.1	32	28	14	27.5	6.5	250.0	18.0	20.0	2500	0.8	FSG3DK104G262GL5
2000	700	0.12	32	33	18	27.5	7.0	300.0	16.0	20.0	2500	0.8	FSG3DK124G342GL5
2000	700	0.15	32	33	18	27.5	7.5	375.0	14.0	20.0	2500	0.8	FSG3DK154G342GL5
2000	700	0.18	32	37	22	27.5	8.0	450.0	12.0	20.0	2500	1.0	FSG3DK184G402GL5
2000	700	0.22	32	37	22	27.5	8.5	550.0	10.0	20.0	2500	1.0	FSG3DK224G402GL5
2000	700	0.033	42	22	11	37.5	4.0	49.5	35.0	25.0	1500	1.0	FSG3DK333K852KL5
2000	700	0.039	42	22	11	37.5	4.5	58.5	28.0	25.0	1500	1.0	FSG3DK393K852KL5
2000	700	0.047	42	22	11	37.5	4.8	70.5	26.0	25.0	1500	1.0	FSG3DK473K852KL5
2000	700	0.056	42	22	11	37.5	5.0	84.0	24.0	25.0	1500	1.0	FSG3DK563K852KL5
2000	700	0.068	42	22	11	37.5	5.4	102.0	23.0	25.0	1500	1.0	FSG3DK683K852KL5
2000	700	0.082	42	22	11	37.5	5.8	123.0	22.0	25.0	1500	1.0	FSG3DK823K852KL5
2000	700	0.1	42	24	13	37.5	6.5	150.0	18.0	25.0	1500	1.0	FSG3DK104K112KL5
2000	700	0.12	42	24	13	37.5	7.0	180.0	16.0	25.0	1500	1.0	FSG3DK124K112KL5
2000	700	0.15	42	28.5	16	37.5	7.5	225.0	15.0	25.0	1500	1.0	FSG3DK154K862KL5
2000	700	0.18	42	28.5	16	37.5	8.0	270.0	14.0	25.0	1500	1.0	FSG3DK184K862KL5
2000	700	0.22	42	32	19	37.5	8.5	330.0	12.0	25.0	1500	1.0	FSG3DK224K212KL5
2000	700	0.27	42	40	20	37.5	9.0	405.0	11.0	25.0	1500	1.0	FSG3DK274K242KL5
2000	700	0.33	42	40	20	37.5	9.5	495.0	10.5	25.0	1500	1.0	FSG3DK334K242KL5
2000	700	0.39	42	44	24	37.5	10.0	585.0	9.5	25.0	1500	1.0	FSG3DK394K322KL5
2000	700	0.47	42	44	24	37.5	10.5	705.0	9.0	25.0	1500	1.0	FSG3DK474K322KL5
2000	700	0.56	42	45	30	37.5	12.0	840.0	7.5	25.0	1500	1.0	FSG3DK564K422KL5
2000	700	0.68	42	45	30	37.5	14.0	1020.0	6.0	25.0	1500	1.0	FSG3DK684K422KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	35



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
	C24	13	13	7	1,200	1,056	480
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6	612	612	350
	F17	26	16.5	7	528	528	300
	F20	26	17	8.5	432	432	250
	F24	26	19	10	372	372	210
	F26	26	20	11	336	336	190
	F27	26	22	12	300	300	170
27.5	G14	32	17	8	380	380	
	G15	32	18	9	340	340	
	G18	32	20	11	280	280	
	G21	32	22	13	230	230	
	G22	32	24.5	13	230	230	
	G26	32	28	14	220	220	
	G34	32	33	18	170	170	
	G40	32	37	22	140	140	
37.5	K11	42	24	13	161	161	
	K17	42	28	17	126	126	
	K21	42	32	19	112	112	
	K24	42	40	20	105	105	
	K32	42	44	24	91	91	
	K42	42	45	30	70	70	
	K47	42	50	35	63	63	
	K85	42	22	11	196	196	
	K86	42	28.5	16	133	133	

Overview

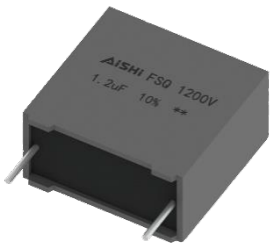
The FSQ capacitor is constructed of metallized polypropylene film with double-sided metallized film encapsulated with epoxy resin in a plastic box, with 2 or 4 tinned copper wires. The FSQ series is suitable for harsh environmental conditions and qualify in accordance to AEC-Q200D requirement.

Applications

Widely used in high voltage, high frequency circuit, snubber and SCR commutating circuits. Specially design for OBC and automotive applications.

Features

- High ripple current
- Self-healing property
- Low losses
- Small inherent temperature rise
- High contact reliability
- Operating temperature range: - 40°C to 105°C
- Suitable for harsh environmental conditions
- THB Grade IIIB (85°C, 85% RH, 1000h at U_{NDC})
- Automotive Grade (AEC-Q200D)



Qualification

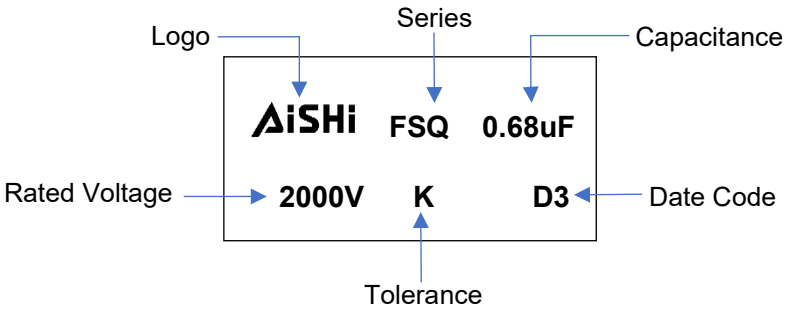
Reference Standard	IEC 61071, EN 61071, AEC-Q200D
Climate Category	40/105/56 IEC 60068-1

RoHS COMPLIANT REACH COMPLIANT AUTOMOTIVE GRADE Available

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	630Vdc to 2000Vdc
Capacitance Range	0.001μF to 4.7μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-55°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	55/105/56 IEC 60068-1
Dissipation Factor	0.0010（0.1%） at 25°C，1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 100 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 30 000 s

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	SQ	3D	K	684	K42	2KL	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	Snubber, pulse Capacitor, AEC-Q200, Double-sided Metallized PP Film	630=2L 1000=3K 1200=3B 1600=3W 2000=3D	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

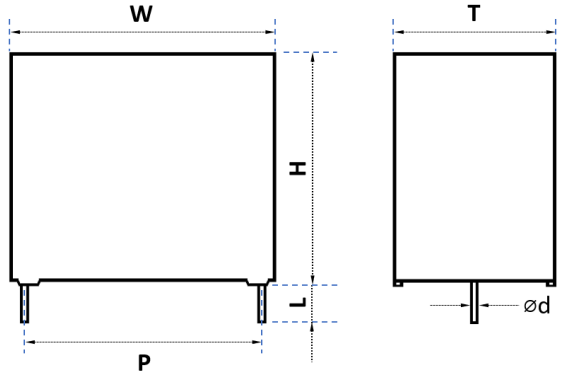
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	15.0mm	E	10.2mm	B
2 leads for straight cut	2	22.5mm	F	12.7mm	G
2 leads for forming cut	E	27.5mm	G	20.3mm	D
4 leads for straight cut	4	37.5mm	K	N/A	L

Lead Length Code

Lead Length	
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
20.0mm min	L

Dimension (mm)



2 pins

Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C13	13	0.5	11	0.5	5	0.5	10	0.5	0.6	0.05
C16	13	0.5	12	0.5	6	0.5	10	0.5	0.6	0.05
C24	13	0.5	13	0.5	7	0.5	10	0.5	0.6	0.05
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.8	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.8	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
G14	32	0.8	17	0.8	8	0.8	27.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	1.0	0.05
K11	42	1.0	24	1.0	13	1.0	37.5	0.5	1.0	0.05
K17	42	1.0	28	1.0	17	1.0	37.5	0.5	1.0	0.05
K21	42	1.0	32	1.0	19	1.0	37.5	0.5	1.0	0.05
K24	42	1.0	40	1.0	20	1.0	37.5	0.5	1.0	0.05
K32	42	1.0	44	1.0	24	1.0	37.5	0.5	1.0	0.05
K42	42	1.0	45	1.0	30	1.0	37.5	0.5	1.0	0.05
K47	42	1.0	50	1.0	35	1.0	37.5	0.5	1.0	0.05
K85	42	1.0	22	1.0	11	1.0	37.5	0.5	1.0	0.05
K86	42	1.0	28.5	1.0	16	1.0	37.5	0.5	1.0	0.05

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
630	400	0.01	18	11	5	15	1.8	30.0	62.0	12.0	3000	0.8	FSQ2LK103E142EL5
630	400	0.012	18	11	5	15	2.2	36.0	52.0	12.0	3000	0.8	FSQ2LK123E142EL5
630	400	0.015	18	11	5	15	2.5	45.0	42.0	12.0	3000	0.8	FSQ2LK153E142EL5
630	400	0.018	18	11	5	15	2.7	54.0	35.0	12.0	3000	0.8	FSQ2LK183E142EL5
630	400	0.02	18	11	5	15	2.8	60.0	32.0	12.0	3000	0.8	FSQ2LK203E142EL5
630	400	0.022	18	11	5	15	2.9	66.0	30.0	12.0	3000	0.8	FSQ2LK223E142EL5
630	400	0.027	18	12	6	15	3.2	81.0	25.0	12.0	3000	0.8	FSQ2LK273E172EL5
630	400	0.033	18	12	6	15	3.7	99.0	20.0	12.0	3000	0.8	FSQ2LK333E172EL5
630	400	0.039	18	12	6	15	3.9	117.0	16.0	12.0	3000	0.8	FSQ2LK393E172EL5
630	400	0.047	18	13.5	7.5	15	4.5	141.0	15.0	12.0	3000	0.8	FSQ2LK473E292EL5
630	400	0.056	18	13.5	7.5	15	4.6	168.0	14.0	12.0	3000	0.8	FSQ2LK563E292EL5
630	400	0.068	18	14.5	8.5	15	4.7	204.0	13.5	12.0	3000	0.8	FSQ2LK683E342EL5
630	400	0.082	18	16	10	15	4.8	246.0	13.2	12.0	3000	0.8	FSQ2LK823E432EL5
630	400	0.1	18	16	10	15	5.0	300.0	13.0	12.0	3000	0.8	FSQ2LK104E432EL5
630	400	0.12	18	19	11	15	5.4	360.0	12.5	12.0	3000	0.8	FSQ2LK124E472EL5
630	400	0.047	26	15.5	6	22.5	3.8	70.5	20.0	15.0	1500	0.8	FSQ2LK473F142FL5
630	400	0.056	26	15.5	6	22.5	4.0	84.0	19.5	15.0	1500	0.8	FSQ2LK563F142FL5
630	400	0.068	26	15.5	6	22.5	4.2	102.0	19.0	15.0	1500	0.8	FSQ2LK683F142FL5
630	400	0.082	26	15.5	6	22.5	4.5	123.0	18.0	15.0	1500	0.8	FSQ2LK823F142FL5
630	400	0.1	26	15.5	6	22.5	5.0	150.0	16.0	15.0	1500	0.8	FSQ2LK104F142FL5
630	400	0.12	26	16.5	7	22.5	5.3	180.0	14.0	15.0	1500	0.8	FSQ2LK124F172FL5
630	400	0.15	26	17	8.5	22.5	6.0	225.0	11.0	15.0	1500	0.8	FSQ2LK154F202FL5
630	400	0.18	26	17	8.5	22.5	6.5	270.0	10.0	15.0	1500	0.8	FSQ2LK184F202FL5
630	400	0.22	26	19	10	22.5	7.5	330.0	8.5	15.0	1500	0.8	FSQ2LK224F242FL5
630	400	0.27	26	20	11	22.5	8.5	405.0	6.5	15.0	1500	0.8	FSQ2LK274F262FL5
630	400	0.33	26	20	11	22.5	9.0	495.0	6.0	15.0	1500	0.8	FSQ2LK334F262FL5
630	400	0.39	26	22	12	22.5	10.0	585.0	5.0	15.0	1500	0.8	FSQ2LK394F272FL5
630	400	0.15	32	17	8	27.5	4.6	135.0	25.0	20.0	900	0.8	FSQ2LK154G142GL5
630	400	0.18	32	17	8	27.5	4.8	162.0	22.0	20.0	900	0.8	FSQ2LK184G142GL5
630	400	0.22	32	18	9	27.5	5.0	198.0	20.0	20.0	900	0.8	FSQ2LK224G152GL5
630	400	0.27	32	20	11	27.5	5.5	243.0	17.5	20.0	900	0.8	FSQ2LK274G182GL5
630	400	0.33	32	20	11	27.5	5.8	297.0	16.5	20.0	900	0.8	FSQ2LK334G182GL5
630	400	0.39	32	20	11	27.5	6.0	351.0	16.0	20.0	900	0.8	FSQ2LK394G182GL5
630	400	0.47	32	22	13	27.5	6.5	423.0	14.0	20.0	900	0.8	FSQ2LK474G212GL5
630	400	0.56	32	22	13	27.5	7.0	504.0	12.0	20.0	900	0.8	FSQ2LK564G212GL5
630	400	0.68	32	24.5	13	27.5	7.5	612.0	10.5	20.0	900	0.8	FSQ2LK684G222GL5
630	400	0.82	32	28	14	27.5	8.5	738.0	9.0	20.0	900	0.8	FSQ2LK824G262GL5
630	400	1	32	33	18	27.5	10.0	900.0	7.0	20.0	900	0.8	FSQ2LK105G342GL5
630	400	1.2	32	33	18	27.5	13.0	1080.0	6.0	20.0	900	0.8	FSQ2LK125G342GL5
630	400	1.5	32	37	22	27.5	15.0	1350.0	5.0	20.0	900	1.0	FSQ2LK155G402GL5
630	400	1.8	32	37	22	27.5	16.0	1620.0	4.0	20.0	900	1.0	FSQ2LK185G402GL5
630	400	0.33	42	22	11	37.5	6.8	165.0	13.0	25.0	500	1.0	FSQ2LK334K852KL5
630	400	0.47	42	22	11	37.5	7.0	235.0	12.5	25.0	500	1.0	FSQ2LK474K852KL5
630	400	0.56	42	22	11	37.5	7.5	280.0	11.0	25.0	500	1.0	FSQ2LK564K852KL5
630	400	0.68	42	22	11	37.5	8.0	340.0	10.5	25.0	500	1.0	FSQ2LK684K852KL5
630	400	0.82	42	28.5	16	37.5	8.0	410.0	10.5	25.0	500	1.0	FSQ2LK824K862KL5
630	400	1.0	42	28.5	16	37.5	8.5	500.0	10.0	25.0	500	1.0	FSQ2LK105K862KL5
630	400	1.5	42	28.5	16	37.5	9.5	750.0	9.0	25.0	500	1.0	FSQ2LK155K862KL5
630	400	1.8	42	32	19	37.5	10.5	900.0	8.5	25.0	500	1.0	FSQ2LK185K212KL5
630	400	2.2	42	40	20	37.5	11.5	1100.0	8.0	25.0	500	1.0	FSQ2LK225K242KL5
630	400	2.7	42	40	20	37.5	13.0	1350.0	7.0	25.0	500	1.0	FSQ2LK275K242KL5
630	400	3.3	42	44	24	37.5	14.0	1650.0	6.0	25.0	500	1.0	FSQ2LK335K322KL5
630	400	3.9	42	45	30	37.5	15.0	1950.0	5.0	25.0	500	1.0	FSQ2LK395K422KL5
630	400	4.7	42	50	35	37.5	16.0	2350.0	4.0	25.0	500	1.0	FSQ2LK475K472KL5
1000	600	0.0082	18	11	5	15	1.5	28.7	80.0	10.0	3500	0.8	FSQ3KK822E142EL5
1000	600	0.01	18	11	5	15	1.8	35.0	62.0	12.0	3500	0.8	FSQ3KK103E142EL5

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
1000	600	0.012	18	11	5	15	2.2	42.0	52.0	12.0	3500	0.8	FSQ3KK123E142EL5
1000	600	0.015	18	11	5	15	2.5	52.5	42.0	12.0	3500	0.8	FSQ3KK153E142EL5
1000	600	0.018	18	11	5	15	2.7	63.0	35.0	12.0	3500	0.8	FSQ3KK183E142EL5
1000	600	0.02	18	12	6	15	2.8	70.0	32.0	10.0	3500	0.8	FSQ3KK203E172EL5
1000	600	0.022	18	12	6	15	3.0	77.0	29.0	10.0	3500	0.8	FSQ3KK223E172EL5
1000	600	0.027	18	13.5	7.5	15	3.5	94.5	24.0	12.0	3500	0.8	FSQ3KK273E292EL5
1000	600	0.033	18	13.5	7.5	15	4.0	115.5	19.0	12.0	3500	0.8	FSQ3KK333E292EL5
1000	600	0.039	18	14.5	8.5	15	4.5	136.5	16.0	12.0	3500	0.8	FSQ3KK393E342EL5
1000	600	0.047	18	14.5	8.5	15	4.9	164.5	14.0	12.0	3500	0.8	FSQ3KK473E342EL5
1000	600	0.027	26	15.5	6	22.5	3.8	56.7	24.0	15.0	2100	0.8	FSQ3KK273F142FL5
1000	600	0.033	26	15.5	6	22.5	4.3	69.3	19.0	15.0	2100	0.8	FSQ3KK333F142FL5
1000	600	0.039	26	15.5	6	22.5	4.8	81.9	16.0	15.0	2100	0.8	FSQ3KK393F142FL5
1000	600	0.047	26	16.5	7	22.5	5.0	98.7	15.0	15.0	2100	0.8	FSQ3KK473F172FL5
1000	600	0.056	26	16.5	7	22.5	5.4	117.6	14.5	15.0	2100	0.8	FSQ3KK563F172FL5
1000	600	0.068	26	17	8.5	22.5	5.6	142.8	14.0	15.0	2100	0.8	FSQ3KK683F202FL5
1000	600	0.082	26	19	10	22.5	5.8	172.2	13.5	15.0	2100	0.8	FSQ3KK823F242FL5
1000	600	0.1	26	19	10	22.5	6.0	210.0	13.0	15.0	2100	0.8	FSQ3KK104F242FL5
1000	600	0.12	26	20	11	22.5	6.5	180.0	12.5	15.0	1500	0.8	FSQ3KK124F262FL5
1000	600	0.15	26	22	12	22.5	7.0	225.0	11.0	15.0	1500	0.8	FSQ3KK154F272FL5
1000	600	0.1	32	17	8	27.5	4.5	90.0	25.0	20.0	900	0.8	FSQ3KK104G142GL5
1000	600	0.12	32	18	9	27.5	4.8	108.0	22.0	20.0	900	0.8	FSQ3KK124G152GL5
1000	600	0.15	32	20	11	27.5	5.0	135.0	21.0	20.0	900	0.8	FSQ3KK154G182GL5
1000	600	0.18	32	22	13	27.5	5.5	162.0	18.0	20.0	900	0.8	FSQ3KK184G212GL5
1000	600	0.22	32	22	13	27.5	6.0	198.0	14.0	20.0	900	0.8	FSQ3KK224G212GL5
1000	600	0.27	32	24.5	13	27.5	6.5	243.0	13.5	20.0	900	0.8	FSQ3KK274G222GL5
1000	600	0.33	32	28	14	27.5	7.0	297.0	12.0	20.0	900	0.8	FSQ3KK334G262GL5
1000	600	0.39	32	33	18	27.5	7.5	351.0	11.0	20.0	900	0.8	FSQ3KK394G342GL5
1000	600	0.47	32	33	18	27.5	8.0	423.0	10.0	20.0	900	0.8	FSQ3KK474G342GL5
1000	600	0.56	32	37	22	27.5	8.5	504.0	9.0	20.0	900	1.0	FSQ3KK564G402GL5
1000	600	0.68	32	37	22	27.5	9.5	612.0	8.0	20.0	900	1.0	FSQ3KK684G402GL5
1000	600	0.18	42	22	11	37.5	6.0	90.0	18.0	25.0	500	1.0	FSQ3KK184K852KL5
1000	600	0.22	42	22	11	37.5	6.5	110.0	14.0	25.0	500	1.0	FSQ3KK224K852KL5
1000	600	0.27	42	24	13	37.5	6.8	135.0	13.0	25.0	500	1.0	FSQ3KK274K112KL5
1000	600	0.33	42	24	13	37.5	7.2	165.0	12.0	25.0	500	1.0	FSQ3KK334K112KL5
1000	600	0.39	42	28	17	37.5	7.4	195.0	11.5	25.0	500	1.0	FSQ3KK394K172KL5
1000	600	0.47	42	28	17	37.5	7.6	235.0	11.0	25.0	500	1.0	FSQ3KK474K172KL5
1000	600	0.56	42	28	17	37.5	8.0	280.0	10.5	25.0	500	1.0	FSQ3KK564K172KL5
1000	600	0.68	42	32	19	37.5	8.5	340.0	10.0	25.0	500	1.0	FSQ3KK684K212KL5
1000	600	0.82	42	40	20	37.5	10.0	410.0	9.0	25.0	500	1.0	FSQ3KK824K242KL5
1000	600	1.0	42	40	20	37.5	11.0	500.0	7.0	25.0	500	1.0	FSQ3KK105K242KL5
1000	600	1.2	42	44	24	37.5	12.0	600.0	6.5	25.0	500	1.0	FSQ3KK125K322KL5
1000	600	1.5	42	44	24	37.5	13.0	750.0	6.0	25.0	500	1.0	FSQ3KK155K322KL5
1000	600	1.8	42	45	30	37.5	15.0	900.0	5.0	25.0	500	1.0	FSQ3KK185K422KL5
1000	600	2.2	42	45	30	37.5	16.0	1100.0	4.0	25.0	500	1.0	FSQ3KK225K422KL5
1600	650	0.0033	18	11	5	15	1.1	19.8	190.0	12.0	6000	0.8	FSQ3WK332E142EL5
1600	650	0.0047	18	11	5	15	1.3	28.2	165.0	12.0	6000	0.8	FSQ3WK472E142EL5
1600	650	0.0056	18	11	5	15	1.4	33.6	120.0	12.0	6000	0.8	FSQ3WK562E142EL5
1600	650	0.0068	18	11	5	15	1.6	40.8	100.0	12.0	6000	0.8	FSQ3WK682E142EL5
1600	650	0.0082	18	11	5	15	1.8	49.2	95.0	12.0	6000	0.8	FSQ3WK822E142EL5
1600	650	0.01	18	11	5	15	2.0	60.0	65.0	12.0	6000	0.8	FSQ3WK103E142EL5
1600	650	0.012	18	12	6	15	2.3	72.0	50.0	12.0	6000	0.8	FSQ3WK123E172EL5
1600	650	0.015	18	12	6	15	2.5	90.0	45.0	12.0	6000	0.8	FSQ3WK153E172EL5
1600	650	0.018	18	13.5	7.5	15	3.0	108.0	35.0	12.0	6000	0.8	FSQ3WK183E292EL5
1600	650	0.022	18	13.5	7.5	15	3.2	132.0	30.0	12.0	6000	0.8	FSQ3WK223E292EL5
1600	650	0.027	18	14.5	8.5	15	3.8	162.0	25.0	12.0	6000	0.8	FSQ3WK273E342EL5
1600	650	0.033	18	14.5	8.5	15	4.0	198.0	20.0	12.0	6000	0.8	FSQ3WK333E342EL5

Rating and Part Number

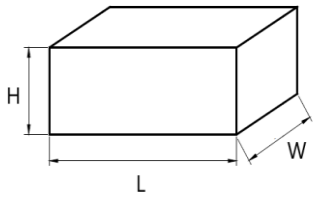
Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
1600	650	0.015	26	15.5	6	22.5	2.8	45.0	40.0	15.0	3000	0.8	FSQ3WK153F142FL5
1600	650	0.022	26	15.5	6	22.5	3.5	66.0	30.0	15.0	3000	0.8	FSQ3WK223F142FL5
1600	650	0.033	26	15.5	6	22.5	4.0	99.0	20.0	15.0	3000	0.8	FSQ3WK333F142FL5
1600	650	0.039	26	16.5	7	22.5	4.8	117.0	16.0	15.0	3000	0.8	FSQ3WK393F172FL5
1600	650	0.047	26	16.5	7	22.5	5.2	141.0	15.0	15.0	3000	0.8	FSQ3WK473F172FL5
1600	650	0.056	26	17	8.5	22.5	5.4	168.0	14.0	15.0	3000	0.8	FSQ3WK563F202FL5
1600	650	0.068	26	19	10	22.5	5.8	204.0	13.0	15.0	3000	0.8	FSQ3WK683F242FL5
1600	650	0.082	26	19	10	22.5	6.0	246.0	12.0	15.0	3000	0.8	FSQ3WK823F242FL5
1600	650	0.1	26	20	11	22.5	6.5	300.0	11.0	15.0	3000	0.8	FSQ3WK104F262FL5
1600	650	0.039	32	17	8	27.5	3.8	78.0	30.0	20.0	2000	0.8	FSQ3WK393G142GL5
1600	650	0.047	32	17	8	27.5	4.0	94.0	29.0	20.0	2000	0.8	FSQ3WK473G142GL5
1600	650	0.056	32	17	8	27.5	4.5	112.0	28.0	20.0	2000	0.8	FSQ3WK563G142GL5
1600	650	0.068	32	18	9	27.5	5.0	136.0	24.0	20.0	2000	0.8	FSQ3WK683G152GL5
1600	650	0.082	32	20	11	27.5	5.5	164.0	20.0	20.0	2000	0.8	FSQ3WK823G182GL5
1600	650	0.1	32	22	13	27.5	6.0	200.0	18.0	20.0	2000	0.8	FSQ3WK104G212GL5
1600	650	0.12	32	22	13	27.5	6.5	240.0	16.0	20.0	2000	0.8	FSQ3WK124G212GL5
1600	650	0.15	32	24.5	13	27.5	7.0	300.0	14.0	20.0	2000	0.8	FSQ3WK154G222GL5
1600	650	0.18	32	28	14	27.5	7.5	360.0	12.0	20.0	2000	0.8	FSQ3WK184G262GL5
1600	650	0.22	32	33	18	27.5	8.5	440.0	10.0	20.0	2000	0.8	FSQ3WK224G342GL5
1600	650	0.27	32	33	18	27.5	9.0	540.0	9.5	20.0	2000	0.8	FSQ3WK274G342GL5
1600	650	0.33	32	33	18	27.5	10.0	660.0	8.0	20.0	2000	0.8	FSQ3WK334G342GL5
1600	650	0.39	32	37	22	27.5	11.0	780.0	7.0	20.0	2000	1.0	FSQ3WK394G402GL5
1600	650	0.47	32	37	22	27.5	12.0	940.0	6.0	20.0	2000	1.0	FSQ3WK474G402GL5
1600	650	0.082	42	22	11	37.5	4.8	98.4	28.0	25.0	1200	1.0	FSQ3WK823K852KL5
1600	650	0.1	42	22	11	37.5	5.0	120.0	24.0	25.0	1200	1.0	FSQ3WK104K852KL5
1600	650	0.12	42	22	11	37.5	5.5	144.0	22.0	25.0	1200	1.0	FSQ3WK124K852KL5
1600	650	0.15	42	22	11	37.5	5.8	180.0	20.0	25.0	1200	1.0	FSQ3WK154K852KL5
1600	650	0.18	42	24	13	37.5	6.0	216.0	18.0	25.0	1200	1.0	FSQ3WK184K112KL5
1600	650	0.22	42	24	13	37.5	6.2	264.0	17.0	25.0	1200	1.0	FSQ3WK224K112KL5
1600	650	0.27	42	24	13	37.5	6.5	324.0	15.0	25.0	1200	1.0	FSQ3WK274K112KL5
1600	650	0.33	42	28.5	16	37.5	6.8	396.0	14.0	25.0	1200	1.0	FSQ3WK334K862KL5
1600	650	0.39	42	28.5	16	37.5	7.5	468.0	12.5	25.0	1200	1.0	FSQ3WK394K862KL5
1600	650	0.47	42	32	19	37.5	8.0	564.0	12.0	25.0	1200	1.0	FSQ3WK474K212KL5
1600	650	0.56	42	40	20	37.5	9.0	672.0	11.0	25.0	1200	1.0	FSQ3WK564K242KL5
1600	650	0.68	42	40	20	37.5	9.5	816.0	10.5	25.0	1200	1.0	FSQ3WK684K242KL5
1600	650	0.82	42	44	24	37.5	10.5	984.0	9.0	25.0	1200	1.0	FSQ3WK824K322KL5
1600	650	1	42	44	24	37.5	12.0	1200.0	7.5	25.0	1200	1.0	FSQ3WK105K322KL5
1600	650	1.2	42	45	30	37.5	14.0	1440.0	6.0	25.0	1200	1.0	FSQ3WK125K422KL5
2000	700	0.001	18	11	5	15	0.5	9.5	630.0	12.0	9500	0.8	FSQ3DK102E142EL5
2000	700	0.0012	18	11	5	15	0.6	11.4	500.0	12.0	9500	0.8	FSQ3DK122E142EL5
2000	700	0.0015	18	11	5	15	0.7	14.3	420.0	12.0	9500	0.8	FSQ3DK152E142EL5
2000	700	0.0018	18	11	5	15	0.8	17.1	350.0	12.0	9500	0.8	FSQ3DK182E142EL5
2000	700	0.0022	18	11	5	15	0.9	20.9	300.0	12.0	9500	0.8	FSQ3DK222E142EL5
2000	700	0.0027	18	11	5	15	1.0	25.7	240.0	12.0	9500	0.8	FSQ3DK272E142EL5
2000	700	0.0033	18	11	5	15	1.2	31.4	190.0	12.0	9500	0.8	FSQ3DK332E142EL5
2000	700	0.0039	18	11	5	15	1.3	37.1	165.0	12.0	9500	0.8	FSQ3DK392E142EL5
2000	700	0.0047	18	11	5	15	1.4	44.7	135.0	12.0	9500	0.8	FSQ3DK472E142EL5
2000	700	0.0056	18	12	6	15	1.6	53.2	110.0	12.0	9500	0.8	FSQ3DK562E172EL5
2000	700	0.0068	18	12	6	15	1.8	64.6	95.0	12.0	9500	0.8	FSQ3DK682E172EL5
2000	700	0.0082	18	12	6	15	2.0	77.9	80.0	12.0	9500	0.8	FSQ3DK822E172EL5
2000	700	0.01	18	13.5	7.5	15	2.5	95.0	65.0	12.0	9500	0.8	FSQ3DK103E292EL5
2000	700	0.012	18	14.5	8.5	15	2.8	114.0	50.0	12.0	9500	0.8	FSQ3DK123E342EL5
2000	700	0.015	18	14.5	8.5	15	3.0	142.5	45.0	12.0	9500	0.8	FSQ3DK153E342EL5
2000	700	0.018	18	16	10	15	3.8	171.0	35.0	12.0	9500	0.8	FSQ3DK183E432EL5
2000	700	0.001	26	15.5	6	22.5	0.6	4.5	550.0	15.0	4500	0.8	FSQ3DK102F142FL5
2000	700	0.0012	26	15.5	6	22.5	0.7	5.4	450.0	15.0	4500	0.8	FSQ3DK122F142FL5

Rating and Part Number

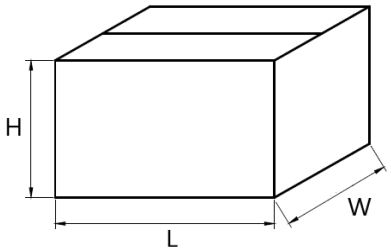
Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
2000	700	0.0015	26	15.5	6	22.5	0.8	6.8	360.0	15.0	4500	0.8	FSQ3DK152F142FL5
2000	700	0.0018	26	15.5	6	22.5	0.9	8.1	300.0	15.0	4500	0.8	FSQ3DK182F142FL5
2000	700	0.0022	26	15.5	6	22.5	1.0	9.9	250.0	15.0	4500	0.8	FSQ3DK222F142FL5
2000	700	0.0027	26	15.5	6	22.5	1.2	12.2	230.0	15.0	4500	0.8	FSQ3DK272F142FL5
2000	700	0.0033	26	15.5	6	22.5	1.2	14.9	200.0	15.0	4500	0.8	FSQ3DK332F142FL5
2000	700	0.0039	26	15.5	6	22.5	1.4	17.6	180.0	15.0	4500	0.8	FSQ3DK392F142FL5
2000	700	0.0047	26	15.5	6	22.5	1.6	21.2	140.0	15.0	4500	0.8	FSQ3DK472F142FL5
2000	700	0.0056	26	15.5	6	22.5	1.8	25.2	120.0	15.0	4500	0.8	FSQ3DK562F142FL5
2000	700	0.0068	26	15.5	6	22.5	2.0	30.6	95.0	15.0	4500	0.8	FSQ3DK682F142FL5
2000	700	0.0082	26	15.5	6	22.5	2.2	36.9	75.0	15.0	4500	0.8	FSQ3DK822F142FL5
2000	700	0.01	26	15.5	6	22.5	2.3	45.0	65.0	15.0	4500	0.8	FSQ3DK103F142FL5
2000	700	0.012	26	15.5	6	22.5	2.5	54.0	60.0	15.0	4500	0.8	FSQ3DK123F142FL5
2000	700	0.015	26	15.5	6	22.5	2.8	67.5	45.0	15.0	4500	0.8	FSQ3DK153F142FL5
2000	700	0.018	26	15.5	6	22.5	3.2	81.0	35.0	15.0	4500	0.8	FSQ3DK183F142FL5
2000	700	0.022	26	16.5	7	22.5	4.0	99.0	26.0	15.0	4500	0.8	FSQ3DK223F172FL5
2000	700	0.027	26	16.5	7	22.5	4.5	121.5	20.0	15.0	4500	0.8	FSQ3DK273F172FL5
2000	700	0.033	26	17	8.5	22.5	5.2	148.5	18.0	15.0	4500	0.8	FSQ3DK333F202FL5
2000	700	0.039	26	19	10	22.5	5.8	175.5	15.0	15.0	4500	0.8	FSQ3DK393F242FL5
2000	700	0.047	26	19	10	22.5	6.0	211.5	13.0	15.0	4500	0.8	FSQ3DK473F242FL5
2000	700	0.056	26	20	11	22.5	6.5	252.0	12.0	15.0	4500	0.8	FSQ3DK563F262FL5
2000	700	0.022	32	17	8	27.5	3.0	55.0	45.0	20.0	2500	0.8	FSQ3DK223G142GL5
2000	700	0.027	32	17	8	27.5	3.5	67.5	40.0	20.0	2500	0.8	FSQ3DK273G142GL5
2000	700	0.033	32	18	9	27.5	4.0	82.5	35.0	20.0	2500	0.8	FSQ3DK333G152GL5
2000	700	0.039	32	20	11	27.5	4.5	97.5	28.0	20.0	2500	0.8	FSQ3DK393G182GL5
2000	700	0.047	32	20	11	27.5	4.8	117.5	25.0	20.0	2500	0.8	FSQ3DK473G182GL5
2000	700	0.056	32	22	13	27.5	5.0	140.0	24.0	20.0	2500	0.8	FSQ3DK563G212GL5
2000	700	0.068	32	22	13	27.5	5.5	170.0	22.0	20.0	2500	0.8	FSQ3DK683G212GL5
2000	700	0.082	32	24.5	13	27.5	6.0	205.0	20.0	20.0	2500	0.8	FSQ3DK823G222GL5
2000	700	0.1	32	28	14	27.5	6.5	250.0	18.0	20.0	2500	0.8	FSQ3DK104G262GL5
2000	700	0.12	32	33	18	27.5	7.0	300.0	16.0	20.0	2500	0.8	FSQ3DK124G342GL5
2000	700	0.15	32	33	18	27.5	7.5	375.0	14.0	20.0	2500	0.8	FSQ3DK154G342GL5
2000	700	0.18	32	37	22	27.5	8.0	450.0	12.0	20.0	2500	1.0	FSQ3DK184G402GL5
2000	700	0.22	32	37	22	27.5	8.5	550.0	10.0	20.0	2500	1.0	FSQ3DK224G402GL5
2000	700	0.033	42	22	11	37.5	4.0	49.5	35.0	25.0	1500	1.0	FSQ3DK333K852KL5
2000	700	0.039	42	22	11	37.5	4.5	58.5	28.0	25.0	1500	1.0	FSQ3DK393K852KL5
2000	700	0.047	42	22	11	37.5	4.8	70.5	26.0	25.0	1500	1.0	FSQ3DK473K852KL5
2000	700	0.056	42	22	11	37.5	5.0	84.0	24.0	25.0	1500	1.0	FSQ3DK563K852KL5
2000	700	0.068	42	22	11	37.5	5.4	102.0	23.0	25.0	1500	1.0	FSQ3DK683K852KL5
2000	700	0.082	42	22	11	37.5	5.8	123.0	22.0	25.0	1500	1.0	FSQ3DK823K852KL5
2000	700	0.1	42	24	13	37.5	6.5	150.0	18.0	25.0	1500	1.0	FSQ3DK104K112KL5
2000	700	0.12	42	24	13	37.5	7.0	180.0	16.0	25.0	1500	1.0	FSQ3DK124K112KL5
2000	700	0.15	42	28.5	16	37.5	7.5	225.0	15.0	25.0	1500	1.0	FSQ3DK154K862KL5
2000	700	0.18	42	28.5	16	37.5	8.0	270.0	14.0	25.0	1500	1.0	FSQ3DK184K862KL5
2000	700	0.22	42	32	19	37.5	8.5	330.0	12.0	25.0	1500	1.0	FSQ3DK224K212KL5
2000	700	0.27	42	40	20	37.5	9.0	405.0	11.0	25.0	1500	1.0	FSQ3DK274K242KL5
2000	700	0.33	42	40	20	37.5	9.5	495.0	10.5	25.0	1500	1.0	FSQ3DK334K242KL5
2000	700	0.39	42	44	24	37.5	10.0	585.0	9.5	25.0	1500	1.0	FSQ3DK394K322KL5
2000	700	0.47	42	44	24	37.5	10.5	705.0	9.0	25.0	1500	1.0	FSQ3DK474K322KL5
2000	700	0.56	42	45	30	37.5	12.0	840.0	7.5	25.0	1500	1.0	FSQ3DK564K422KL5
2000	700	0.68	42	45	30	37.5	14.0	1020.0	6.0	25.0	1500	1.0	FSQ3DK684K422KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	35



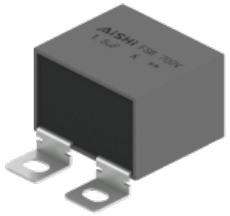
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
	C24	13	13	7	1,200	1,056	480
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6	612	612	350
	F17	26	16.5	7	528	528	300
	F20	26	17	8.5	432	432	250
	F24	26	19	10	372	372	210
	F26	26	20	11	336	336	190
	F27	26	22	12	300	300	170
27.5	G14	32	17	8	380	380	
	G15	32	18	9	340	340	
	G18	32	20	11	280	280	
	G21	32	22	13	230	230	
	G22	32	24.5	13	230	230	
	G26	32	28	14	220	220	
	G34	32	33	18	170	170	
	G40	32	37	22	140	140	
37.5	K11	42	24	13	161	161	
	K17	42	28	17	126	126	
	K21	42	32	19	112	112	
	K24	42	40	20	105	105	
	K32	42	44	24	91	91	
	K42	42	45	30	70	70	
	K47	42	50	35	63	63	
	K85	42	22	11	196	196	
	K86	42	28.5	16	133	133	

Overview
The FSB capacitor is constructed of metallized polypropylene film with double-sided metallized film encapsulated with epoxy resin in a rectangular plastic case, with lug terminals.

Applications
Widely used in high voltage, high frequency, high current, pulse circuit and IGBT protection.

Features
- High ripple current
- Self-healing property
- Low losses
- Small inherent temperature rise
- Suitable for high frequency applications
- High contact reliability



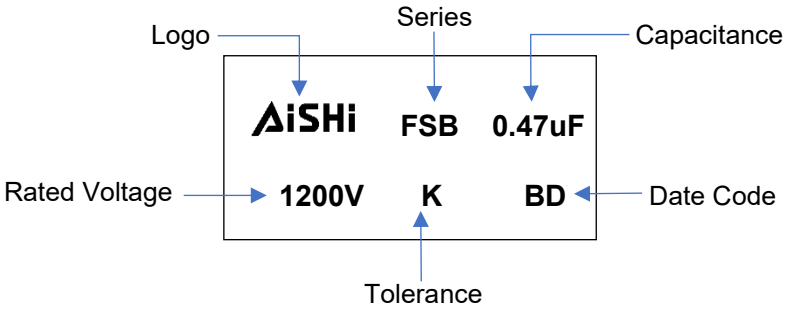
Qualification

Reference Standard	IEC 61071
Climate Category	40/85/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	850Vdc to 2000Vdc
Capacitance Range	0.1uF ~ 4.0uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Urms)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	0.0010（0.1%） at 25°C，1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 100 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 30 000 s

Marking



Part Number System

F	SB	3B	K	225	N19	SN6	G
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Solder slice Code
F = Film	Snubber Capacitor, Lug Terminal type, Metallized PP Film	850= 2P 1000=3K 1200=3B 1600=3W 2000=3D	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Solder slice Code Table

Terminal Code

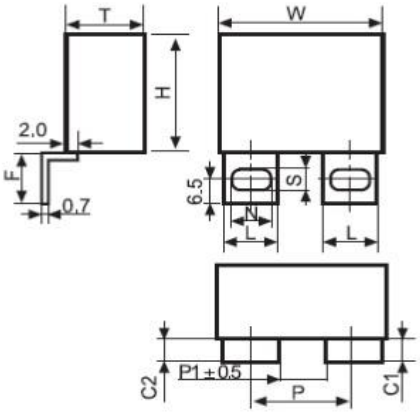
Digit One (Lead/Terminal Type)		Digit Two (Distance of hole for fixing)		Digit Three (Distance of solder slice)	
Style S	S	16~24	A	0	0
Style N	N	17~25	B	6	6
Style W	W	20-25	P	7	7
Style U	U	21~29	C	8	8
Style F	F	22~24	W	11	A
Style B	B	22~30	D	12	B
		23~28	Q	15	P
		25~26	X	17	M
		30~38	E	20	C
		31~39	F	21	D
		32~45	V	24	N
		35~43	G	25	E
		36~44	H	26	F
		37~42	U	33	G
		52~62	J	37	H
		53~63	R	38	J
		56~66	K	51	K
		57~67	L	52	L
		68~77	S		
		70~80	M		
		71~81	N		

Solder Slice Code

Size of solder slice	
M(5-7)	5
M(6-8)	6
M(8-10)	8
M(8-14)	A
M(8-8)	B

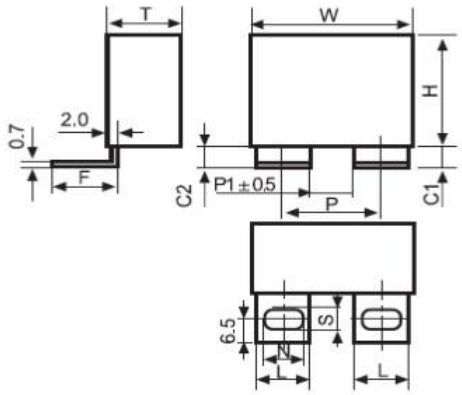
Dimension (mm)

Style S



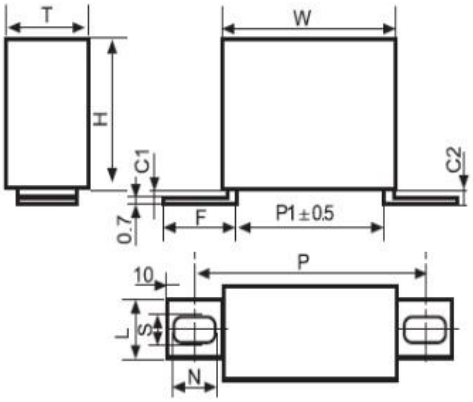
L x F x N x S = 14.0 x 16.0 x 10.2 x 6.2

Style N



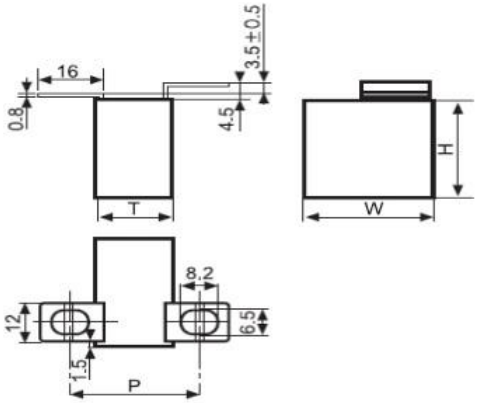
L x F x N x S = 14.0 x 16.0 x 10.2 x 6.2

Style W



L x F x N x S = 14.0 x 22.0 x 11.2 x 6.2

Style U



L x F x N x S = 12.0 x 16.0 x 8.2 x 6.5

Size Code Table (mm)

Size Code	Dimension					
	W	Tolerance	H	Tolerance	T	Tolerance
N11	42.0	0.8	40.0	0.8	20.0	0.8
N13	42.0	0.8	44.0	0.8	24.0	0.8
N15	42.0	0.8	37.0	0.8	28.0	0.8
N18	42.0	0.8	45.0	0.8	30.0	0.8
N21	42.5	0.8	35.5	0.8	33.5	0.8
P13	57.5	1.0	45.0	1.0	30.0	1.0
P17	57.5	1.0	50.0	1.0	35.0	1.0

Rating and Part Number

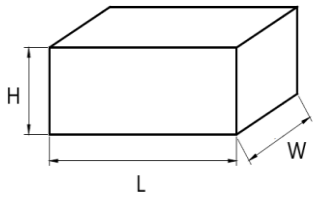
Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	Irms 100KHz 70°C A	Peak Current A	$ESR_{Typical}$ 100KHz mΩ	ESL nH	dv/dt V/us	Style	Part Number
850	0.47	42.0	40.0	20.0	14.0	357.0	9.4	40	760	S	FSB2PK474N11SCA6
850	0.68	42.0	40.0	20.0	17.0	517.0	6.6	40	760	S	FSB2PK684N11SCA6
850	1.0	42.0	40.0	20.0	20.0	760.0	4.6	40	760	S	FSB2PK105N11SCA6
850	1.50	42.0	37.0	28.0	27.0	1140.0	3.1	36	760	S	FSB2PK155N15SCA6
850	1.5	42.0	35.5	33.5	28.0	1140.0	3.0	36	760	S	FSB2PK155N21SCA6
850	2.00	42.0	45.0	30.0	34.0	1520.0	2.4	43	760	S	FSB2PK205N18SCA6
850	2.2	42.0	45.0	30.0	35.0	1672.0	2.2	43	760	S	FSB2PK225N18SCA6
850	2.50	57.5	45.0	30.0	37.0	1175.0	2.0	45	470	S	FSB2PK255P13SGE6
850	3.0	57.5	45.0	30.0	30.0	1410.0	3.5	45	470	S	FSB2PK305P13SGE6
850	3.30	57.5	45.0	30.0	31.0	1551.0	3.2	45	470	S	FSB2PK335P13SGE6
850	4.0	57.5	50.0	35.0	34.0	1880.0	2.6	48	470	S	FSB2PK405P17SGE6
850	5.00	57.5	50.0	35.0	40.0	2350.0	2.2	48	470	S	FSB2PK505P17SGE6
1000	0.5	42.0	40.0	20.0	14.0	400.0	8.7	40	850	S	FSB3KK474N11SCA6
1000	0.68	42.0	40.0	20.0	18.0	578.0	6.1	40	850	S	FSB3KK684N11SCA6
1000	1.0	42.0	40.0	20.0	20.0	850.0	4.3	40	850	S	FSB3KK105N11SCA6
1000	1.50	42.0	37.0	28.0	28.0	1275.0	2.9	36	850	S	FSB3KK155N15SCA6
1000	1.5	42.0	35.5	33.5	29.0	1275.0	2.8	36	850	S	FSB3KK155N21SCA6
1000	2.00	42.0	45.0	30.0	35.0	1700.0	2.3	43	850	S	FSB3KK205N18SCA6
1000	2.2	57.5	45.0	30.0	28.0	1166.0	4.4	45	530	S	FSB3KK225P13SGE6
1000	2.50	57.5	45.0	30.0	29.0	1325.0	3.8	45	530	S	FSB3KK255P13SGE6
1000	3.0	57.5	45.0	30.0	31.0	1590.0	3.2	45	530	S	FSB3KK305P13SGE6
1000	3.30	57.5	45.0	30.0	32.0	1749.0	3.0	45	530	S	FSB3KK335P13SGE6
1000	4.0	57.5	50.0	35.0	38.0	2120.0	2.5	48	530	S	FSB3KK405P17SGE6
1200	0.33	42.0	40.0	20.0	13.0	330.0	10.9	40	1000	S	FSB3BK334N11SCA6
1200	0.5	42.0	40.0	20.0	16.0	470.0	7.7	40	1000	S	FSB3BK474N11SCA6
1200	0.68	42.0	40.0	20.0	19.0	680.0	5.4	40	1000	S	FSB3BK684N11SCA6
1200	1.0	42.0	37.0	28.0	25.0	1000.0	3.8	36	1000	S	FSB3BK105N15SCA6
1200	1.20	42.0	37.0	28.0	27.0	1200.0	3.2	36	1000	S	FSB3BK125N15SCA6
1200	1.2	42.0	35.5	33.5	28.0	1200.0	3.0	36	1000	S	FSB3BK125N21SCA6
1200	1.50	42.0	45.0	30.0	32.0	1500.0	2.6	43	1000	S	FSB3BK155N18SCA6
1200	2.0	57.5	45.0	30.0	27.0	1200.0	4.1	45	600	S	FSB3BK205P13SGE6
1200	2.20	57.5	45.0	30.0	28.0	1320.0	3.8	45	600	S	FSB3BK225P13SGE6
1200	2.5	57.5	45.0	30.0	30.0	1500.0	3.3	45	600	S	FSB3BK255P13SGE6
1200	3.00	57.5	50.0	35.0	35.0	1800.0	2.9	48	600	S	FSB3BK305P17SGE6
1200	3.3	57.5	50.0	35.0	38.0	1980.0	2.6	48	600	S	FSB3BK335P17SGE6
2000	0.10	42.0	40.0	20.0	8.0	140.0	26.8	40	1400	S	FSB3DK104N11SCA6
2000	0.2	42.0	40.0	20.0	10.0	210.0	17.9	40	1400	S	FSB3DK154N11SCA6
2000	0.22	42.0	40.0	20.0	12.0	308.0	12.3	40	1400	S	FSB3DK224N11SCA6
2000	0.3	42.0	40.0	20.0	16.0	462.0	8.3	40	1400	S	FSB3DK334N11SCA6
2000	0.47	42.0	40.0	20.0	19.0	658.0	5.9	40	1400	S	FSB3DK474N11SCA6
2000	0.7	42.0	44.0	24.0	24.0	952.0	4.1	43	1400	S	FSB3DK684N13SCA6
2000	0.68	42.0	35.5	33.5	25.0	952.0	4.0	43	1400	S	FSB3DK684N21SCA6
2000	0.8	42.0	45.0	30.0	28.0	1148.0	3.5	43	1400	S	FSB3DK824N18SCA6
2000	1.00	57.5	45.0	30.0	23.0	900.0	5.9	45	900	S	FSB3DK105P13SGE6
2000	1.2	57.5	45.0	30.0	25.0	1080.0	4.9	45	900	S	FSB3DK125P13SGE6
2000	1.50	57.5	50.0	35.0	30.0	1350.0	4.0	48	900	S	FSB3DK155P17SGE6
850	0.5	42.0	40.0	20.0	14.0	357.0	9.4	40	760	N	FSB2PK474N11NCA6
850	0.68	42.0	40.0	20.0	17.0	517.0	6.6	40	760	N	FSB2PK684N11NCA6

Rating and Part Number

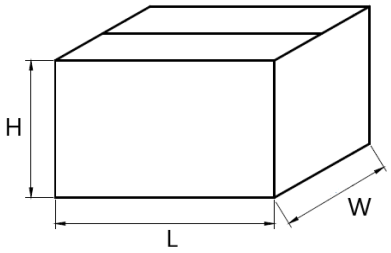
Vdc	Cap Value μF	Dimensions W mm	H mm	T mm	Irms 100KHz 70°C A	Peak Current A	$ESR_{Typical}$ 100KHz mΩ	ESL nH	dv/dt V/us	Style	Part Number
850	1.0	42.0	40.0	20.0	20.0	760.0	4.6	40	760	N	FSB2PK105N11NCA6
850	1.5	42.0	37.0	28.0	27.0	1140.0	3.1	36	760	N	FSB2PK155N15NCA6
850	1.5	42.0	35.5	33.5	28.0	1140.0	3.0	36	760	N	FSB2PK155N21NCA6
850	2.0	42.0	45.0	30.0	34.0	1520.0	2.4	43	760	N	FSB2PK205N18NCA6
850	2.2	42.0	45.0	30.0	35.0	1672.0	2.2	43	760	N	FSB2PK225N18NCA6
850	2.5	57.5	45.0	30.0	37.0	1175.0	2.0	45	470	N	FSB2PK255P13NGE6
850	3.0	57.5	45.0	30.0	30.0	1410.0	3.5	45	470	N	FSB2PK305P13NGE6
850	3.3	57.5	45.0	30.0	31.0	1551.0	3.2	45	470	N	FSB2PK335P13NGE6
850	4.0	57.5	50.0	35.0	34.0	1880.0	2.6	48	470	N	FSB2PK405P17NGE6
850	5.0	57.5	50.0	35.0	40.0	2350.0	2.2	48	470	N	FSB2PK505P17NGE6
1000	0.5	42.0	40.0	20.0	14.0	400.0	8.7	40	850	N	FSB3KK474N11NCA6
1000	0.7	42.0	40.0	20.0	18.0	578.0	6.1	40	850	N	FSB3KK684N11NCA6
1000	1.0	42.0	40.0	20.0	20.0	850.0	4.3	40	850	N	FSB3KK105N11NCA6
1000	1.5	42.0	37.0	28.0	28.0	1275.0	2.9	36	850	N	FSB3KK155N15NCA6
1000	1.5	42.0	35.5	33.5	29.0	1275.0	2.8	36	850	N	FSB3KK155N21NCA6
1000	2.0	42.0	45.0	30.0	35.0	1700.0	2.3	43	850	N	FSB3KK205N18NCA6
1000	2.2	57.5	45.0	30.0	28.0	1166.0	4.4	45	530	N	FSB3KK225P13NGE6
1000	2.5	57.5	45.0	30.0	29.0	1325.0	3.8	45	530	N	FSB3KK255P13NGE6
1000	3.0	57.5	45.0	30.0	31.0	1590.0	3.2	45	530	N	FSB3KK305P13NGE6
1000	3.3	57.5	45.0	30.0	32.0	1749.0	3.0	45	530	N	FSB3KK335P13NGE6
1000	4.0	57.5	50.0	35.0	38.0	2120.0	2.5	48	530	N	FSB3KK405P17NGE6
1200	0.3	42.0	40.0	20.0	13.0	330.0	10.9	40	1000	N	FSB3BK334N11NCA6
1200	0.5	42.0	40.0	20.0	16.0	470.0	7.7	40	1000	N	FSB3BK474N11NCA6
1200	0.7	42.0	40.0	20.0	19.0	680.0	5.4	40	1000	N	FSB3BK684N11NCA6
1200	1.0	42.0	37.0	28.0	25.0	1000.0	3.8	36	1000	N	FSB3BK105N15NCA6
1200	1.2	42.0	37.0	28.0	27.0	1200.0	3.2	36	1000	N	FSB3BK125N15NCA6
1200	1.2	42.0	35.5	33.5	28.0	1200.0	3.0	36	1000	N	FSB3BK125N21NCA6
1200	1.5	42.0	45.0	30.0	32.0	1500.0	2.6	43	1000	N	FSB3BK155N18NCA6
1200	2.0	57.5	45.0	30.0	27.0	1200.0	4.1	45	600	N	FSB3BK205P13NGE6
1200	2.2	57.5	45.0	30.0	28.0	1320.0	3.8	45	600	N	FSB3BK225P13NGE6
1200	2.5	57.5	45.0	30.0	30.0	1500.0	3.3	45	600	N	FSB3BK255P13NGE6
1200	3.0	57.5	50.0	35.0	35.0	1800.0	2.9	48	600	N	FSB3BK305P17NGE6
1200	3.3	57.5	50.0	35.0	38.0	1980.0	2.6	48	600	N	FSB3BK335P17NGE6
2000	0.1	42.0	40.0	20.0	8.0	140.0	26.8	40	1400	N	FSB3DK104N11NCA6
2000	0.2	42.0	40.0	20.0	10.0	210.0	17.9	40	1400	N	FSB3DK154N11NCA6
2000	0.2	42.0	40.0	20.0	12.0	308.0	12.3	40	1400	N	FSB3DK224N11NCA6
2000	0.3	42.0	40.0	20.0	16.0	462.0	8.3	40	1400	N	FSB3DK334N11NCA6
2000	0.5	42.0	40.0	20.0	19.0	658.0	5.9	40	1400	N	FSB3DK474N11NCA6
2000	0.7	42.0	44.0	24.0	24.0	952.0	4.1	43	1400	N	FSB3DK684N13NCA6
2000	0.7	42.0	35.5	33.5	25.0	952.0	4.0	43	1400	N	FSB3DK684N21NCA6
2000	0.8	42.0	45.0	30.0	28.0	1148.0	3.5	43	1400	N	FSB3DK824N18NCA6
2000	1.0	57.5	45.0	30.0	23.0	900.0	5.9	45	900	N	FSB3DK105P13NGE6
2000	1.2	57.5	45.0	30.0	25.0	1080.0	4.9	45	900	N	FSB3DK125P13NGE6
2000	1.5	57.5	50.0	35.0	30.0	1350.0	4.0	48	900	N	FSB3DK155P17NGE6

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	25
# 2	331	331	35
# 3	331	331	50
# 4	331	331	80
# 5	350	170	35
# 6	350	170	50
# 7	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



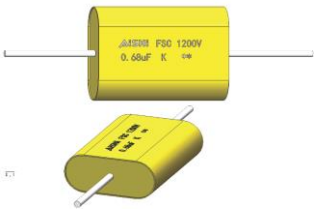
Packaging Quantity

Size Code	Dimension					
	W	Tolerance	**H**	Tolerance	**T**	Tolerance
N11	42.0	0.8	40.0	0.8	20.0	0.8
N13	42.0	0.8	44.0	0.8	24.0	0.8
N15	42.0	0.8	37.0	0.8	28.0	0.8
N18	42.0	0.8	45.0	0.8	30.0	0.8
N21	42.5	0.8	35.5	0.8	33.5	0.8
P13	57.5	1.0	45.0	1.0	30.0	1.0
P17	57.5	1.0	50.0	1.0	35.0	1.0

Overview
The FSC Series is a polypropylene metallized film and double-sided metallized film with polyester tape wrapping filled with resin and tinned copper wires.

Applications
Widely used in high voltage, high frequency and pulse circuit and IGBT protection.

Features
- High ripple current
- Self-healing property
- Low losses
- Small inherent temperature rise
- High contact reliability
- Suitable for high frequency applications



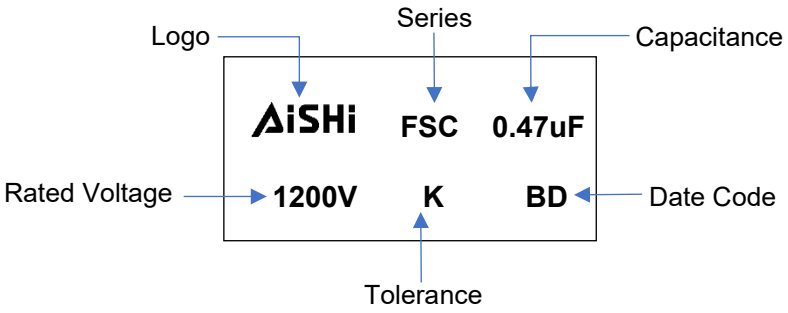
Qualification

Reference Standard	IEC 61071
Climate Category	40/85/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	600Vdc ~ 3000Vdc
Capacitance Range	0.01μF ~ 4.7μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (+85°C observing voltage must be de-rating at 1.25% per °C)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	0.0010（0.1%） at 25°C，1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 100 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 30 000 s

Marking



Part Number System

F	SC	3B	K	474	046	XNL	B
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code (L)	Terminal Code	Lead Length Code
F = Film	Snubber, Axial Type, Metallized PP Film	600=2K 1000=3K 1200=3B 1600=3W 2000=3D 3000=3F	J = ±5% K = ±10% M = ±20%	First two digits = significant figures. Third digit = Number of zeros.	34mm=034 46mm=046 54mm=054	Refer to Terminal Code Table	Refer to Lead Length Code Table

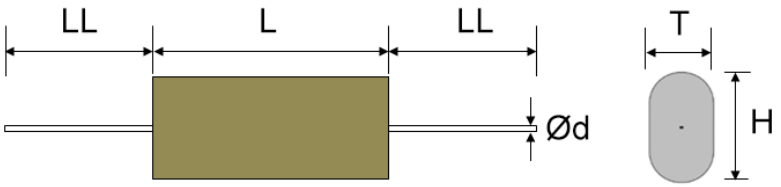
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
Axial Lead	X	NA	N	NA	L

Lead Length Code

Lead Length	
20.0mm min	L
35.0mm min	B
NA	N

Dimension (mm)



Rating and Part Number

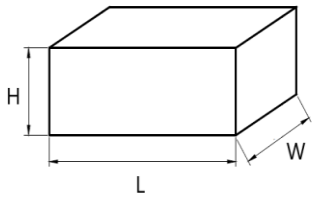
Vdc	Cap Value	Dimensions			Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHz	ESL	dv/dt	Lead Wire	Part Number
		L	H	T							
	μF	mm max	mm max	mm max	70°C A	A	mΩ	nH	V/us	mm	
600	0.1	34.0	12.0	6.0	3.0	25.0	28.0	17	250	0.8	FSC2KK104034XNLB
600	0.15	34.0	13.0	7.0	4.5	37.5	13.0	18	250	0.8	FSC2KK154034XNLB
600	0.22	34.0	14.5	8.0	5.0	55.0	12.0	19	250	0.8	FSC2KK224034XNLB
600	0.33	34.0	16.0	10.0	6.0	82.5	9.0	19	250	0.8	FSC2KK334034XNLB
600	0.47	34.0	18.0	12.0	7.5	117.5	8.0	20	250	1.0	FSC2KK474034XNLB
600	0.68	34.0	20.5	14.5	9.0	170.0	6.0	21	250	1.0	FSC2KK684034XNLB
600	1.0	34.0	23.5	17.5	10.0	250.0	6.0	23	250	1.0	FSC2KK105034XNLB
600	1.5	34.0	27.5	21.5	12.0	375.0	5.0	24	250	1.2	FSC2KK155034XNLB
600	2.0	46.0	27.5	18.5	13.0	400.0	5.0	28	200	1.2	FSC2KK205046XNLB
600	3.3	54.0	32.0	22.5	17.5	495.0	4.0	34	150	1.2	FSC2KK335054XNLB
600	4.7	54.0	33.5	28.5	19.0	705.0	4.0	36	150	1.2	FSC2KK475054XNLB
850	0.15	34.0	16.0	10.0	6.5	112.5	8.0	19	750	0.8	FSC2PK154034XNLB
850	0.22	34.0	18.0	11.5	7.0	165.0	8.0	20	750	1.0	FSC2PK224034XNLB
850	0.33	34.0	20.5	14.5	8.5	247.5	7.0	21	750	1.0	FSC2PK334034XNLB
850	0.47	34.0	23.5	17.0	11.0	352.5	5.0	22	750	1.0	FSC2PK474034XNLB
850	0.68	34.0	27.0	21.0	13.5	510.0	4.0	24	750	1.2	FSC2PK684034XNLB
850	1.0	46.0	27.0	17.5	13.0	450.0	5.0	28	450	1.2	FSC2PK105046XNLB
850	1.5	46.0	31.0	21.5	16.0	675.0	4.0	30	450	1.2	FSC2PK155046XNLB
850	2.0	46.0	34.5	25.0	20.0	900.0	3.0	31	450	1.2	FSC2PK205046XNLB
850	2.2	46.0	36.0	26.5	20.5	990.0	3.0	32	450	1.2	FSC2PK225046XNLB
850	2.5	46.0	38.0	28.5	21.5	1,125.0	3.0	33	450	1.2	FSC2PK255046XNLB
1000	0.15	34.0	17.5	11.5	7.5	127.5	7.0	20	850	1.0	FSC3KK154034XNLB
1000	0.22	34.0	20.0	13.5	8.0	187.0	7.0	21	850	1.0	FSC3KK224034XNLB
1000	0.33	34.0	23.0	17.0	10.0	280.5	6.0	22	850	1.0	FSC3KK334034XNLB
1000	0.47	34.0	26.5	20.0	12.0	399.5	5.0	24	850	1.2	FSC3KK474034XNLB
1000	0.68	34.0	30.5	24.5	13.0	578.0	5.0	26	850	1.2	FSC3KK684034XNLB
1000	1.0	46.0	30.0	20.5	14.0	500.0	5.0	24	500	1.2	FSC3KK105046XNLB
1000	1.5	46.0	35.0	25.5	17.5	750.0	4.0	31	500	1.2	FSC3KK155046XNLB
1000	2.0	46.0	39.0	30.0	22.0	1,000.0	3.0	33	500	1.2	FSC3KK205046XNLB
1200	0.1	34.0	18.0	12.0	7.0	115.0	9.0	20	1,150	1.0	FSC3BK104034XNLB
1200	0.15	34.0	21.0	14.5	8.5	172.5	7.0	21	1,150	1.0	FSC3BK154034XNLB
1200	0.22	34.0	24.0	17.5	9.5	253.0	7.0	23	1,150	1.0	FSC3BK224034XNLB
1200	0.33	46.0	24.0	14.5	10.0	214.5	7.0	21	650	1.0	FSC3BK334046XNLB
1200	0.47	46.0	27.0	18.0	11.0	305.5	7.0	28	650	1.2	FSC3BK474046XNLB
1200	0.68	46.0	31.0	22.0	13.0	442.0	6.0	30	650	1.2	FSC3BK684046XNLB
1200	1.0	46.0	36.0	27.0	16.0	650.0	5.0	32	650	1.2	FSC3BK105046XNLB
1200	1.5	54.0	40.5	27.5	20.0	780.0	4.0	36	520	1.2	FSC3BK155054XNLB
1600	0.1	34.0	20.5	14.5	8.5	145.0	7.0	21	1,450	1.0	FSC3WK104034XNLB
1600	0.15	34.0	24.0	18.0	11.0	217.5	5.0	23	1,450	1.0	FSC3WK154034XNLB
1600	0.22	34.0	28.0	21.5	10.5	319.0	7.0	24	1,450	1.2	FSC3WK224034XNLB
1600	0.33	46.0	27.5	18.5	11.0	264.0	7.0	23	800	1.2	FSC3WK334046XNLB
1600	0.47	46.0	31.5	22.0	13.0	376.0	6.0	30	800	1.2	FSC3WK474046XNLB
1600	0.68	46.0	36.5	27.0	14.5	544.0	6.0	32	800	1.2	FSC3WK684046XNLB
1600	1.0	46.0	42.5	33.0	18.0	800.0	5.0	35	800	1.2	FSC3WK105046XNLB
1600	1.5	54.0	47.0	34.5	22.5	975.0	4.0	39	650	1.2	FSC3WK155054XNLB
2000	0.022	34.0	14.5	8.0	3.0	38.5	35.0	18	1,750	0.8	FSC3DK223034XNLB
2000	0.033	34.0	16.0	10.0	4.0	57.8	20.0	19	1,750	0.8	FSC3DK333034XNLB
2000	0.047	34.0	18.0	11.5	6.0	82.3	12.0	20	1,750	1.0	FSC3DK473034XNLB

Rating and Part Number

Vdc	Cap Value	Dimensions			Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHz	ESL	dv/dt	Lead Wire	Part Number
		L	H	T							
	μF	mm max	mm max	mm max	70°C A	A	mΩ	nH	V/us	mm	
2000	0.068	34.0	20.5	14.0	8.0	119.0	8.0	21	1,750	1.0	FSC3DK683034XNLB
2000	0.10	34.0	23.5	17.0	9.0	175.0	7.0	22	1,750	1.0	FSC3DK104034XNLB
2000	0.15	46.0	23.5	14.0	10.0	144.0	7.0	21	960	1.0	FSC3DK154046XNLB
2000	0.22	46.0	27.0	17.5	10.5	211.2	8.0	28	960	1.0	FSC3DK224046XNLB
2000	0.33	46.0	31.5	22.0	11.5	316.8	8.0	30	960	1.2	FSC3DK334046XNLB
2000	0.47	46.0	36.0	26.5	14.5	451.2	6.0	32	960	1.2	FSC3DK474046XNLB
2000	0.56	54.0	36.5	24.0	14.0	425.6	7.0	31	760	1.2	FSC3DK564054XNLB
2000	0.68	54.0	39.5	27.0	16.0	516.8	6.0	35	760	1.2	FSC3DK684054XNLB
2000	1.0	54.0	45.5	33.0	19.5	760.0	5.0	38	760	1.2	FSC3DK105054XNLB
3000	0.01	34.0	14.0	8.0	2.5	26.0	60.0	18	2,600	0.8	FSC3FK103034XNLB
3000	0.015	34.0	16.0	9.5	3.0	39.0	40.0	19	2,600	0.8	FSC3FK153034XNLB
3000	0.022	34.0	18.0	11.5	4.0	57.2	25.0	20	2,600	1.0	FSC3FK223034XNLB
3000	0.033	34.0	20.5	14.5	6.0	85.8	14.0	21	2,600	1.0	FSC3FK333034XNLB
3000	0.047	46.0	21.0	11.5	6.5	70.5	14.0	20	1,500	1.0	FSC3FK473046XNLB
3000	0.068	46.0	23.5	14.0	7.5	102.0	12.0	26	1,500	1.0	FSC3FK683046XNLB
3000	0.10	46.0	26.5	17.0	9.0	150.0	10.0	28	1,500	1.2	FSC3FK104046XNLB
3000	0.15	46.0	31.0	21.5	11.5	225.0	8.0	30	1,500	1.2	FSC3FK154046XNLB

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 8	425	185	105



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 3	445	400	250

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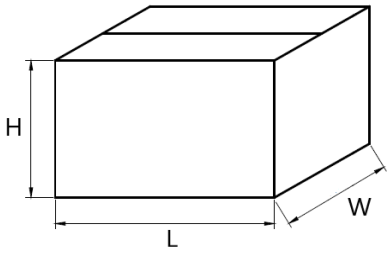
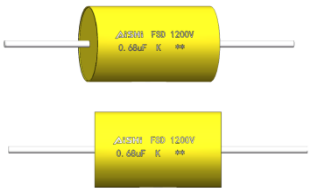


Overview
The FSD Series is a polypropylene metallized film and double-sided metallized film with polyester tape wrapping filled with resin and tinned copper wires.

Applications
Widely used in high voltage, high frequency, pulse circuit and IGBT protection.

Features
- High ripple current
- Self-healing property
- Low losses
- Small inherent temperature rise
- High contact reliability
- Suitable for high frequency applications



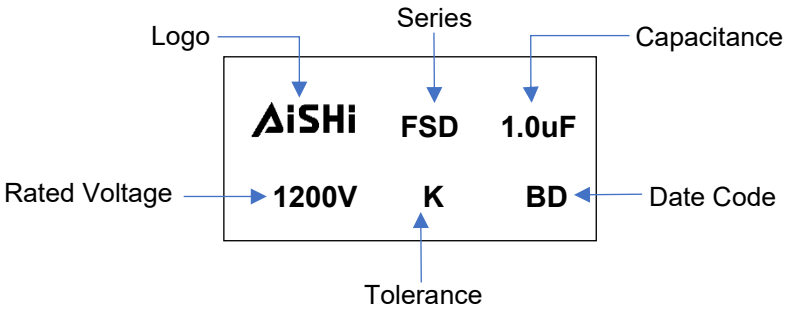
Qualification

Reference Standard	IEC 61071
Climate Category	40/85/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	850Vdc ~ 2000Vdc
Capacitance Range	0.047μF ~ 4.7μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (+85°C observing voltage must be de-rating at 1.25% per °C)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	0.0010（0.1%） at 25°C，1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 100 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 30 000 s

Marking



Part Number System

F	SD	3B	K	474	046	XNL	N
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code (L)	Terminal Code	Lead Length Code
F = Film	Snubber Type, Metallized PP Film	850= 2P 1000=3K 1200=3B 1600=3W 2000=3D 3000=3F	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	34mm=034 46mm=046 58mm=058	Refer to Terminal Code Table	Refer to Lead Length Code Table

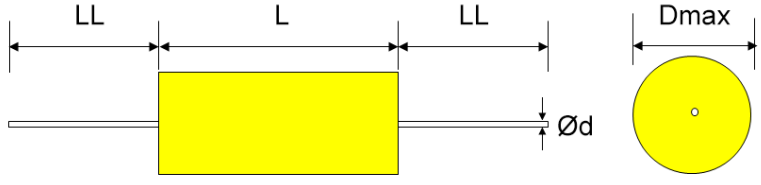
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
Axial Lead	X	NA	N	NA	L

Lead Length Code

Lead Length	
20.0mm min	L
35.0mm min	B
NA	N

Dimension (mm)



Rating and Part Number

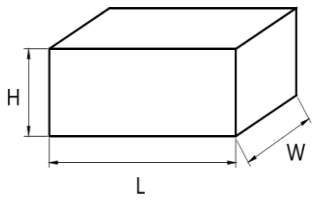
Vdc	Cap Value μF	Dimensions D mm max	Dimensions L mm max	Irms 100KHz 70°C A	Peak Current A	$ESR_{Typical}$ 100KHz mΩ	ESL nH	dv/dt V/us	Lead Wire mm	Part Number
850	0.22	14.5	34.0	8.0	264.0	9.4	22	1200	1.0	FSD2PK224034XNLB
850	0.22	12.0	46.0	7.0	154.0	11.3	26	700	0.8	FSD2PK224046XNLB
850	0.33	17.5	34.0	9.0	396.0	8.8	22	1200	1.0	FSD2PK334034XNLB
850	0.33	14.0	46.0	10.0	231.0	8.7	26	700	1.0	FSD2PK334046XNLB
850	0.47	20.5	34.0	11.0	564.0	5.7	22	1200	1.0	FSD2PK474034XNLB
850	0.47	16.5	46.0	9.0	329.0	7.2	26	700	1.0	FSD2PK474046XNLB
850	0.68	19.5	46.0	13.0	476.0	4.6	26	700	1.0	FSD2PK684046XNLB
850	1.0	23.0	46.0	13.0	700.0	4.7	26	700	1.0	FSD2PK105046XNLB
850	1.5	28.5	46.0	13.0	1050.0	4.0	26	700	1.2	FSD2PK155046XNLB
850	2.0	32.0	46.0	13.0	1400.0	4.3	26	700	1.2	FSD2PK205046XNLB
850	2.2	33.5	46.0	14.0	1540.0	3.3	26	700	1.2	FSD2PK225046XNLB
850	2.2	28.5	58.0	12.0	990.0	4.0	32	450	1.2	FSD2PK225058XNLB
850	2.5	35.5	46.0	15.0	1750.0	3.7	26	700	1.2	FSD2PK255046XNLB
850	2.5	30.0	58.0	15.0	1125.0	4.0	32	450	1.2	FSD2PK255058XNLB
850	3.0	32.5	58.0	15.0	1350.0	3.7	32	450	1.2	FSD2PK305058XNLB
850	3.3	34.0	58.0	15.0	1485.0	3.3	32	450	1.2	FSD2PK335058XNLB
850	4.0	37.5	58.0	15.0	1800.0	3.3	32	450	1.2	FSD2PK405058XNLB
850	4.7	40.0	58.0	15.0	2115.0	2.9	32	450	1.2	FSD2PK475058XNLB
1000	0.22	16.5	34.0	8.0	286.0	8.5	22	1300	1.0	FSD3KK224034XNLB
1000	0.33	20.0	34.0	9.0	429.0	6.5	22	1300	1.0	FSD3KK334034XNLB
1000	0.33	16.0	46.0	8.0	264.0	8.3	26	800	1.0	FSD3KK334046XNLB
1000	0.47	23.5	34.0	10.0	611.0	5.4	22	1300	1.0	FSD3KK474034XNLB
1000	0.47	18.5	46.0	9.0	376.0	6.7	26	800	1.0	FSD3KK474046XNLB
1000	0.68	22.0	46.0	12.0	544.0	5.7	26	800	1.0	FSD3KK684046XNLB
1000	1.0	26.5	46.0	12.0	800.0	4.6	26	800	1.2	FSD3KK105046XNLB
1000	1.5	32.0	46.0	13.0	1200.0	5.2	26	800	1.2	FSD3KK155046XNLB
1000	1.5	27.0	58.0	12.0	750.0	5.6	32	500	1.2	FSD3KK155058XNLB
1000	2.0	31.0	58.0	15.0	1000.0	4.3	32	500	1.2	FSD3KK205058XNLB
1000	2.2	32.0	58.0	15.0	1100.0	3.9	32	500	1.2	FSD3KK225058XNLB
1000	3.0	37.5	58.0	15.0	1500.0	3.4	32	500	1.2	FSD3KK305058XNLB
1000	3.3	39.0	58.0	15.0	1650.0	3.1	32	500	1.2	FSD3KK335058XNLB
1200	0.22	18.0	34.0	9.0	330.0	7.7	22	1500	1.0	FSD3BK224034XNLB
1200	0.22	14.5	46.0	8.0	198.0	11.0	26	900	1.0	FSD3BK224046XNLB
1200	0.33	22.0	34.0	10.0	495.0	6.6	22	1500	1.0	FSD3BK334034XNLB
1200	0.33	17.5	46.0	9.0	297.0	7.7	26	900	1.0	FSD3BK334046XNLB
1200	0.47	24.0	46.0	10.0	423.0	6.8	26	900	1.2	FSD3BK474046XNLB
1200	0.68	26.0	46.0	12.0	612.0	5.8	26	900	1.2	FSD3BK684046XNLB
1200	1.0	29.0	46.0	11.0	900.0	5.0	26	900	1.2	FSD3BK105046XNLB
1200	1.0	24.5	58.0	10.0	550.0	5.5	32	550	1.2	FSD3BK105058XNLB
1200	1.2	32.0	46.0	11.0	1080.0	4.4	26	900	1.2	FSD3BK125046XNLB
1200	1.2	26.5	58.0	10.0	660.0	4.8	32	550	1.2	FSD3BK125058XNLB
1200	1.5	35.5	46.0	14.0	1350.0	3.9	26	900	1.2	FSD3BK155046XNLB
1200	1.5	29.5	58.0	13.0	825.0	4.4	32	550	1.2	FSD3BK155058XNLB
1200	2.0	33.0	58.0	15.0	1100.0	3.9	32	550	1.2	FSD3BK205058XNLB
1200	2.2	35.5	58.0	15.0	1210.0	3.7	32	550	1.2	FSD3BK225058XNLB
1200	3.0	41.0	58.0	15.0	1650.0	3.1	32	550	1.2	FSD3BK305058XNLB
2000	0.047	14.0	34.0	5.0	56.4	30.0	26	1200	0.8	FSD3DK473034XNLB
2000	0.047	11.0	46.0	5.0	56.4	30.0	26	1200	0.8	FSD3DK473046XNLB

Rating and Part Number

Vdc	Cap Value µF	Dimensions D mm max	Dimensions L mm max	Irms 100KHz 70°C A	Peak Current A	$ESR_{Typical}$ 100KHz mΩ	ESL nH	dv/dt V/us	Lead Wire mm	Part Number
2000	0.068	16.0	34.0	7.0	136.0	16.8	22	2000	1.0	FSD3DK683034XNLB
2000	0.068	13.0	46.0	6.0	81.6	23.3	26	1200	1.0	FSD3DK683046XNLB
2000	0.10	19.0	34.0	10.0	200.0	12.0	22	2000	1.0	FSD3DK104034XNLB
2000	0.10	15.5	46.0	9.0	120.0	17.7	26	1200	1.0	FSD3DK104046XNLB
2000	0.15	18.5	46.0	12.0	180.0	9.5	26	1200	1.0	FSD3DK154046XNLB
2000	0.22	21.5	46.0	13.0	264.0	8.6	26	1200	1.0	FSD3DK224046XNLB
2000	0.33	26.5	46.0	14.0	396.0	6.7	26	1200	1.2	FSD3DK334046XNLB
2000	0.47	32.0	46.0	14.0	564.0	5.6	26	1200	1.2	FSD3DK474046XNLB
2000	0.56	34.5	46.0	15.0	672.0	5.2	26	1200	1.2	FSD3DK564046XNLB
2000	0.56	29.0	58.0	15.0	392.0	6.5	32	700	1.2	FSD3DK564058XNLB
2000	0.68	31.0	58.0	15.0	476.0	5.7	32	700	1.2	FSD3DK684058XNLB
2000	1.0	37.5	58.0	15.0	700.0	4.7	32	700	1.2	FSD3DK105058XNLB
2000	1.2	40.5	58.0	15.0	840.0	4.3	32	700	1.2	FSD3DK125058XNLB

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 8	425	185	105



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 3	445	400	250

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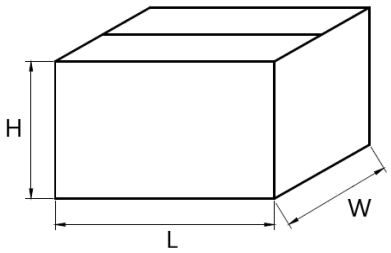
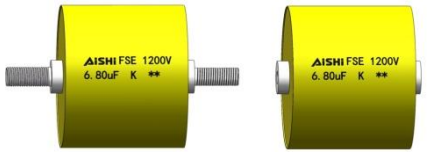


Overview
The FSE Series is a polypropylene metallized film and double-sided metallized film with flam retardation plastic case or polyester tape wrapping filled with resin and terminals.

Applications
Widely used in high voltage, high frequency and pulse circuit and IGBT protection.

Features
- High ripple current
- Self-healing property
- Low losses
- Small inherent temperature rise
- High contact reliability
- Suitable for high frequency applications



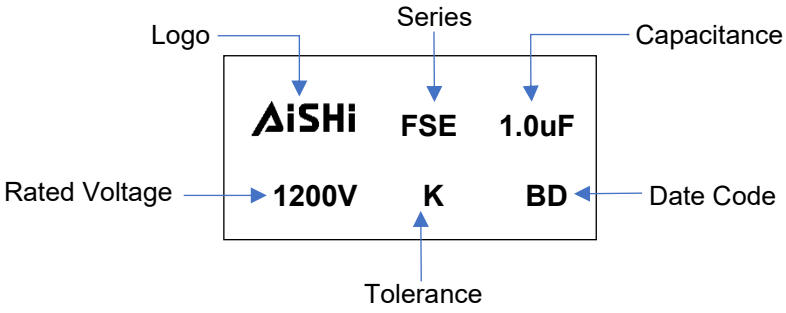
Qualification

Reference Standard	IEC 61071
Climate Category	40/85/56 IEC 60068-1

General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	1000Vdc ~ 3000Vdc
Capacitance Range	0.5μF ~ 12.0μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (+85°C observing voltage must be de-rating at 1.25% per °C)
Climatic Category	40/85/56 IEC 60068-1
Dissipation Factor	0.0010（0.1%） at 25°C，1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 100 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 30 000 s

Marking



Part Number System

F	SE	3B	K	105	037	FN6	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code (L)	Terminal Code	Lead Length Code
F = Film	Snubber, GTO Type, Metallized PP Film	1000=3K 1200=3B 2000=3D 3000=3F	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	37mm=037 40mm=040 50mm=050 64mm=064	Refer to Terminal Code Table	Refer to Lead Length Code Table

Terminal Code

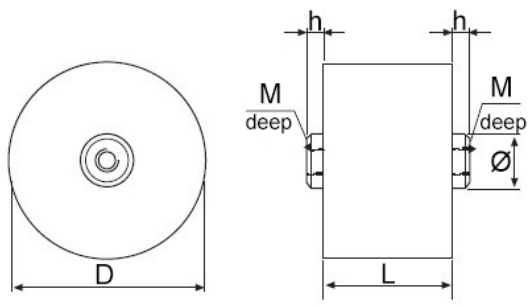
Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Terminal Size)	
Male terminal	M	NA	N	M5*8	5
Female terminal	F			M6*8	6
				M8*8	8
				M10*8	H
				M12*8	J

Lead Length Code

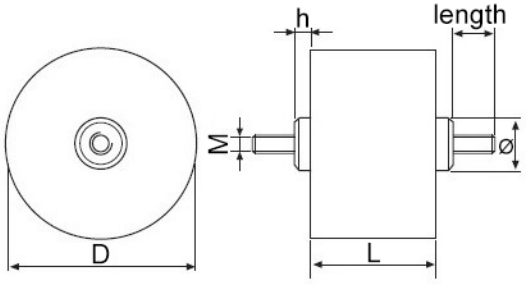
Lead Length
5mm=5
20mm=20

Dimension (mm)

Thread hole type



Bolt type

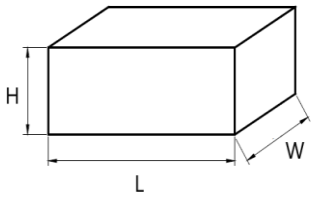


Rating and Part Number

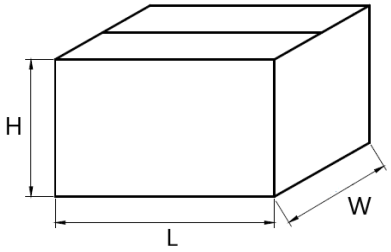
Vdc	Cap Value μF	Dimensions D mm max	Dimensions L mm max	Irms 100KHz 70°C A	Peak Current A	$ESR_{Typical}$ 100KHZ mΩ	Rth k/W	dv/dt V/us	Output	Part Number
1000	1.5	45.0	37.0	43.0	825.0	1.0	11.0	550	M6*8	FSE3KK155037FN65
1000	3	56.0	40.0	55.0	1,500.0	0.8	7.4	500	M6*8	FSE3KK305040FN65
1000	4	65.0	40.0	65.0	2,000.0	0.8	6.0	500	M6*8	FSE3KK405040FN65
1000	5	72.0	40.0	70.0	2,500.0	0.7	5.0	500	M8*8	FSE3KK505040FN85
1000	6	78.0	40.0	80.0	3,000.0	0.7	4.5	500	M8*8	FSE3KK605040FN85
1000	7	84.0	40.0	85.0	3,500.0	0.6	4.0	500	M8*8	FSE3KK705040FN85
1000	8	75.0	50.0	85.0	3,600.0	0.6	4.0	450	M8*8	FSE3KK805050FN85
1000	10	86.0	50.0	88.0	4,500.0	0.7	3.5	450	M8*8	FSE3KK106050FN85
1000	12	86.0	50.0	95.0	5,400.0	0.7	3.5	450	M8*8	FSE3KK126050FN85
1200	1	45.0	37.0	40.0	700.0	1.2	11.5	700	M6*8	FSE3BK105037FN65
1200	2	52.0	40.0	45.0	1,200.0	1.0	8.5	600	M6*8	FSE3BK205040FN65
1200	3	62.0	40.0	60.0	1,800.0	0.8	6.5	600	M6*8	FSE3BK305040FN65
1200	4	72.0	40.0	70.0	2,400.0	0.7	5.0	600	M8*8	FSE3BK405040FN85
1200	5	80.0	40.0	80.0	3,000.0	0.7	4.5	600	M8*8	FSE3BK505040FN85
1200	6	86.0	40.0	85.0	3,600.0	0.7	4.0	600	M8*8	FSE3BK605040FN85
1200	8	86.0	50.0	90.0	4,000.0	0.7	3.8	500	M8*8	FSE3BK805050FN85
1200	10	86.0	50.0	95.0	5,000.0	0.7	3.5	500	M8*8	FSE3BK106050FN85
2000	0.5	45.0	37.0	35.0	600.0	1.5	12.0	1,200	M6*8	FSE3DK504037FN65
2000	1	56.0	40.0	50.0	1,200.0	1.2	7.5	1,200	M6*8	FSE3DK105040FN65
2000	1.5	68.0	40.0	60.0	1,800.0	1.0	5.5	1,200	M6*8	FSE3DK155040FN65
2000	2	78.0	40.0	75.0	2,400.0	0.9	4.5	1,200	M8*8	FSE3DK205040FN85
2000	2.5	88.0	40.0	80.0	3,000.0	0.8	4.0	1,200	M8*8	FSE3DK255040FN85
2000	3	82.0	50.0	80.0	2,550.0	0.8	4.0	850	M8*8	FSE3DK305050FN85
2000	4	86.0	50.0	85.0	3,400.0	0.8	3.5	850	M8*8	FSE3DK405050FN85
3000	0.68	50.0	50.0	35.0	816.0	2.5	12.0	1,200	M6*8	FSE3FK684037FN65
3000	0.75	52.0	50.0	45.0	900.0	2.0	7.5	1,200	M6*8	FSE3FK754050FN65
3000	1	60.0	50.0	50.0	1,200.0	1.5	5.5	1,200	M6*8	FSE3FK105050FN65
3000	1.2	67.0	50.0	60.0	1,440.0	1.4	4.5	1,200	M8*8	FSE3FK125050FN85
3000	1.5	73.0	50.0	65.0	1,800.0	1.2	4.0	1,200	M8*8	FSE3FK155050FN85
3000	2	85.0	50.0	70.0	2,400.0	1.0	4.0	1,200	M8*8	FSE3FK205050FN85
3000	2.5	93.0	50.0	85.0	3,000.0	0.9	3.5	1,200	M8*8	FSE3FK255050FN85
3000	0.68	38.0	64.0	30.0	578.0	4.0	14.5	850	M6*8	FSE3FK684064FN85
3000	1	45.0	64.0	40.0	850.0	3.0	8.5	850	M6*8	FSE3FK105064FN85
3000	1.5	55.0	64.0	55.0	1,275.0	2.0	6.5	850	M6*8	FSE3FK155064FN85
3000	2	63.0	64.0	60.0	1,700.0	1.5	5.5	850	M8*8	FSE3FK205064FN85
3000	2.5	70.0	64.0	70.0	2,125.0	1.4	5.0	850	M8*8	FSE3FK255064FN85
3000	3	76.0	64.0	85.0	2,550.0	1.2	4.0	850	M8*8	FSE3FK305064FN85

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	25
# 2	331	331	35
# 3	331	331	50
# 4	331	331	80
# 5	350	170	35
# 6	350	170	50
# 7	350	170	80



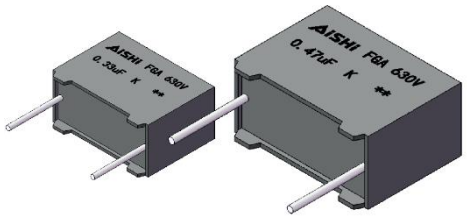
Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	265



Overview
The FGA series is constructed of metallized polypropylene film encapsulated in plastic cases, sealed with epoxy resin.

Applications
Widely used in power supplies, power factory correction, ballasts and compact lamps and inverter.

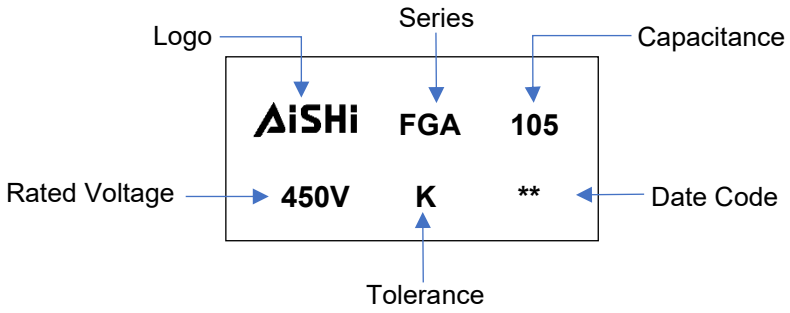
Features
- High ripple current
- Self-healing property
- Low losses
- High contact reliability



General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	450Vdc ~ 630Vdc
Capacitance Range	0.01uF ~ 3.3uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	40/105/56 IEC 60068-1
Dissipation Factor	0.0010（25°C，1KHz）
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 30 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 10 000 MΩ*uF

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	GA	2W	K	105	E43	2EL	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	DC Film, Metallized PP Film	450=2W 550=2J 630=2L	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

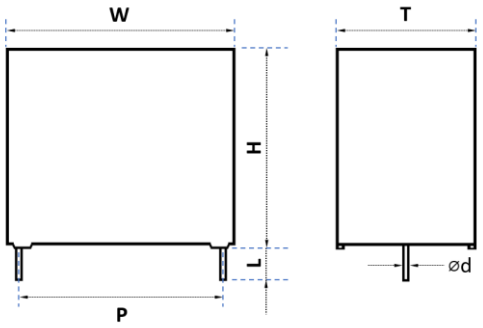
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	N/A	L
2 leads for straight cut	2	12.5mm	D		
2 leads for forming cut	E	15.0mm	E		
2 leads for taping forming	T	22.5mm	F		
2 leads for taping straight	V				
2 leads for 90°C bent cut	Y				

Lead Length Code

Lead Length	
20mm min	L
35mm min	B
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C13	13.0	0.5	11.0	0.5	5.0	0.5	10.0	0.5	0.6	0.05
C16	13.0	0.5	12.0	0.5	6.0	0.5	10.0	0.5	0.6	0.05
C24	13.0	0.5	13.0	0.5	7.0	0.5	10.0	0.5	0.6	0.05
C26	13.0	0.5	14.0	0.5	8.0	0.5	10.0	0.5	0.6	0.05
C27	13.0	0.5	16.0	0.5	8.0	0.5	10.0	0.5	0.6	0.05
C31	13.0	0.5	18.0	0.5	9.0	0.5	10.0	0.5	0.6	0.05
C33	13.0	0.5	19.0	0.5	10.0	0.5	10.0	0.5	0.6	0.05
E14	18.0	0.5	11.0	0.5	5.0	0.5	15.0	0.5	0.6	0.05
E17	18.0	0.5	12.0	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E19	18.0	0.5	17.5	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E21	18.0	0.5	13.0	0.5	7.0	0.5	15.0	0.5	0.8	0.05
E26	18.0	0.5	18.0	0.5	7.0	0.5	15.0	0.5	0.8	0.05
E29	18.0	0.5	13.5	0.5	7.5	0.5	15.0	0.5	0.8	0.05
E33	18.0	0.5	16.0	0.5	8.0	0.5	15.0	0.5	0.8	0.05
E34	18.0	0.5	14.5	0.5	8.5	0.5	15.0	0.5	0.8	0.05
E36	18.0	0.5	12.5	0.5	9.0	0.5	15.0	0.5	0.8	0.05
E39	18.0	0.5	18.0	0.5	9.0	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E45	18.0	0.5	18.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05
E57	18.0	0.5	12.0	0.5	13.0	0.5	15.0	0.5	0.8	0.05
F24	26.0	0.5	19.0	0.5	10.0	0.5	22.5	0.5	0.8	0.05
F26	26.0	0.5	20.0	0.5	11.0	0.5	22.5	0.5	0.8	0.05
F29	26.0	0.5	23.0	0.5	13.0	0.5	22.5	0.5	0.8	0.05

Rating and Part Number

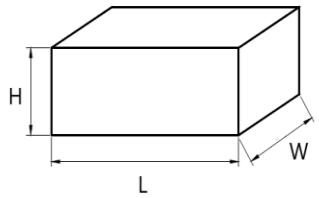
Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
450	220	0.1	13.0	11.0	5.0	10.0	25	250	0.6	FGA2WK104C132CL5
450	220	0.15	13.0	11.0	5.0	10.0	37.5	250	0.6	FGA2WK154C132CL5
450	220	0.22	13.0	11.0	5.0	10.0	55	250	0.6	FGA2WK224C132CL5
450	220	0.33	13.0	12.0	6.0	10.0	82.5	250	0.6	FGA2WK334C162CL5
450	220	0.39	13.0	13.0	7.0	10.0	97.5	250	0.6	FGA2WK394C242CL5
450	220	0.47	13.0	12.0	6.0	10.0	94	200	0.6	FGA2WK474C162CL5
450	220	0.47	13.0	13.0	7.0	10.0	117.5	250	0.6	FGA2WK474C242CL5
450	220	0.56	13.0	14.0	8.0	10.0	140	250	0.6	FGA2WK564C262CL5
450	220	0.68	13.0	16.0	8.0	10.0	170	250	0.6	FGA2WK684C272CL5
450	220	0.82	13.0	19.0	10.0	10.0	205	250	0.6	FGA2WK824C332CL5
450	220	1	13.0	18.0	9.0	10.0	200	200	0.6	FGA2WK105C312CL5
450	220	1	13.0	19.0	10.0	10.0	250	250	0.6	FGA2WK105C332CL5
450	220	0.1	18.0	11.0	5.0	15.0	16	160	0.6	FGA2WK104E142EL5
450	220	0.15	18.0	11.0	5.0	15.0	24	160	0.6	FGA2WK154E142EL5
450	220	0.22	18.0	11.0	5.0	15.0	26.4	120	0.6	FGA2WK224E142EL5
450	220	0.22	18.0	12.0	6.0	15.0	35.2	160	0.6	FGA2WK224E172EL5
450	220	0.33	18.0	11.0	5.0	15.0	39.6	120	0.6	FGA2WK334E142EL5
450	220	0.47	18.0	12.0	6.0	15.0	56.4	120	0.6	FGA2WK474E172EL5
450	220	0.47	18.0	13.5	7.5	15.0	75.2	160	0.8	FGA2WK474E292EL5
450	220	0.47	18.0	12.5	9.0	15.0	75.2	160	0.8	FGA2WK474E362EL5
450	220	0.68	18.0	12.0	6.0	15.0	81.6	120	0.6	FGA2WK684E172EL5
450	220	0.68	18.0	17.5	6.0	15.0	108.8	160	0.6	FGA2WK684E192EL5
450	220	0.68	18.0	14.5	8.5	15.0	108.8	160	0.8	FGA2WK684E342EL5
450	220	0.82	18.0	14.5	8.5	15.0	131.2	160	0.8	FGA2WK824E342EL5
450	220	1	18.0	13.0	7.0	15.0	120	120	0.8	FGA2WK105E212EL5
450	220	1	18.0	14.5	8.5	15.0	160	160	0.8	FGA2WK105E342EL5
450	220	1.5	18.0	16.0	8.0	15.0	180	120	0.8	FGA2WK155E332EL5
450	220	1.5	18.0	18.0	9.0	15.0	240	160	0.8	FGA2WK155E392EL5
450	220	2	18.0	18.0	9.0	15.0	240	120	0.8	FGA2WK205E392EL5
450	220	2.2	18.0	18.0	10.0	15.0	264	120	0.8	FGA2WK225E452EL5
450	220	2.2	26.0	19.0	10.0	22.5	220	100	0.6	FGA2WK225F242FL5
450	220	3.3	26.0	23.0	13.0	22.5	330	100	0.8	FGA2WK335F292FL5
550	250	0.1	13.0	11.0	5.0	10.0	30	300	0.6	FGA2JK104C132CL5
550	250	0.15	13.0	12.0	6.0	10.0	45	300	0.6	FGA2JK154C162CL5
550	250	0.22	13.0	13.0	7.0	10.0	66	300	0.6	FGA2JK224C242CL5
550	250	0.33	13.0	14.0	8.0	10.0	99	300	0.6	FGA2JK334C262CL5
550	250	0.47	13.0	16.0	8.0	10.0	141	300	0.6	FGA2JK474C272CL5
550	250	0.1	18.0	11.0	5.0	15.0	20	200	0.6	FGA2JK104E142EL5
550	250	0.15	18.0	11.0	5.0	15.0	30	200	0.6	FGA2JK154E142EL5
550	250	0.22	18.0	12.0	6.0	15.0	44	200	0.6	FGA2JK224E172EL5
550	250	0.33	18.0	17.5	6.0	15.0	66	200	0.6	FGA2JK334E192EL5
550	250	0.33	18.0	13.5	7.5	15.0	66	200	0.8	FGA2JK334E292EL5
550	250	0.33	18.0	12.5	9.0	15.0	66	200	0.8	FGA2JK334E362EL5
550	250	0.47	18.0	14.5	8.5	15.0	94	200	0.8	FGA2JK474E342EL5
550	250	0.47	18.0	18.0	7.0	15.0	94	200	0.8	FGA2JK474E262EL5
550	250	0.47	18.0	12.0	13.0	15.0	94	200	0.8	FGA2JK474E572EL5
550	250	0.68	18.0	16.0	10.0	15.0	136	200	0.8	FGA2JK684E432EL5
550	250	0.82	18.0	19.0	11.0	15.0	164	200	0.8	FGA2JK824E472EL5

Rating and Part Number

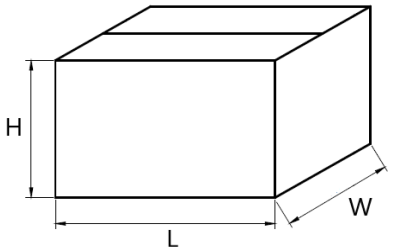
Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
550	250	1	18.0	19.0	11.0	15.0	200	200	0.8	FGA2JK105E472EL5
550	250	1.5	26.0	20.0	11.0	22.5	180	120	0.8	FGA2JK155F262FL5
550	250	2.2	26.0	23.0	13.0	22.5	264	120	0.8	FGA2JK225F292FL5
630	275	0.01	13.0	11.0	5.0	10.0	4	400	0.6	FGA2LK103C132CL5
630	275	0.015	13.0	11.0	5.0	10.0	6	400	0.6	FGA2LK153C132CL5
630	275	0.022	13.0	11.0	5.0	10.0	8.8	400	0.6	FGA2LK223C132CL5
630	275	0.033	13.0	11.0	5.0	10.0	13.2	400	0.6	FGA2LK333C132CL5
630	275	0.047	13.0	11.0	5.0	10.0	18.8	400	0.6	FGA2LK473C132CL5
630	275	0.068	13.0	12.0	6.0	10.0	27.2	400	0.6	FGA2LK683C162CL5
630	275	0.082	13.0	12.0	6.0	10.0	32.8	400	0.6	FGA2LK823C162CL5
630	275	0.1	13.0	12.0	6.0	10.0	40	400	0.6	FGA2LK104C162CL5
630	275	0.047	18.0	11.0	5.0	15.0	11.75	250	0.6	FGA2LK473E142EL5
630	275	0.056	18.0	11.0	5.0	15.0	14	250	0.6	FGA2LK563E142EL5
630	275	0.068	18.0	11.0	5.0	15.0	17	250	0.6	FGA2LK683E142EL5
630	275	0.082	18.0	11.0	5.0	15.0	20.5	250	0.6	FGA2LK823E142EL5
630	275	0.1	18.0	11.0	5.0	15.0	25	250	0.6	FGA2LK104E142EL5
630	275	0.15	18.0	12.0	6.0	15.0	37.5	250	0.6	FGA2LK154E172EL5
630	275	0.22	18.0	17.5	6.0	15.0	55	250	0.6	FGA2LK224E192EL5
630	275	0.22	18.0	13.5	7.5	15.0	55	250	0.8	FGA2LK224E292EL5
630	275	0.22	18.0	12.5	9.0	15.0	55	250	0.8	FGA2LK224E362EL5
630	275	0.33	18.0	18.0	7.0	15.0	82.5	250	0.8	FGA2LK334E262EL5
630	275	0.33	18.0	14.5	8.5	15.0	82.5	250	0.8	FGA2LK334E342EL5
630	275	0.33	18.0	12.5	9.0	15.0	82.5	250	0.8	FGA2LK334E362EL5
630	275	0.47	18.0	18.0	7.0	15.0	117.5	250	0.8	FGA2LK474E262EL5
630	275	0.47	18.0	16.0	10.0	15.0	117.5	250	0.8	FGA2LK474E432EL5
630	275	0.47	18.0	12.0	13.0	15.0	117.5	250	0.8	FGA2LK474E572EL5
630	275	0.68	18.0	19.0	11.0	15.0	170	250	0.8	FGA2LK684E472EL5
630	275	0.82	26.0	19.0	10.0	22.5	131.2	160	0.8	FGA2LK824F242FL5
630	275	1	26.0	20.0	11.0	22.5	160	160	0.8	FGA2LK105F262FL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



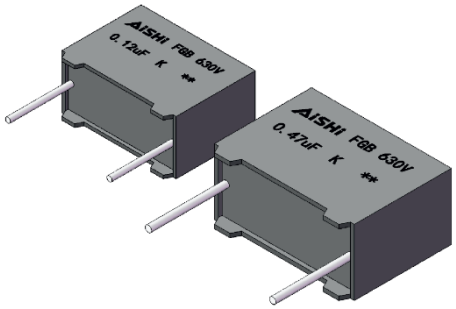
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
	C24	13	13	7	1,200	1,056	480
	C26	13	14	8	1,200	912	410
	C27	13	16	8	1,200	912	410
	C31	13	18	9	1,200	816	370
	C33	13	19	10	1,200	744	340
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E19	18	17.5	6	800	867	560
	E21	18	13	7	800	748	480
	E26	18	18	7	800	748	480
	E29	18	13.5	7.5	800	697	450
	E33	18	16	8	600	646	410
	E34	18	14.5	8.5	600	612	390
	E36	18	12.5	9	600	578	370
	E39	18	18	9	600	578	370
	E43	18	16	10	600	527	340
	E45	18	18	10	600	527	330
	E47	18	19	11	600	476	300
	E57	18	12	13	600	391	250
22.5	F24	26	19	10		372	210
	F26	26	20	11		336	190
	F29	26	23	13		276	160

Overview
The FGB series is constructed of metallized polypropylene film encapsulated in plastic cases, sealed with epoxy resin.

Applications
Widely used in high current and high frequency applications, DC/AC and pulse circuits and ballast & compacts lamps

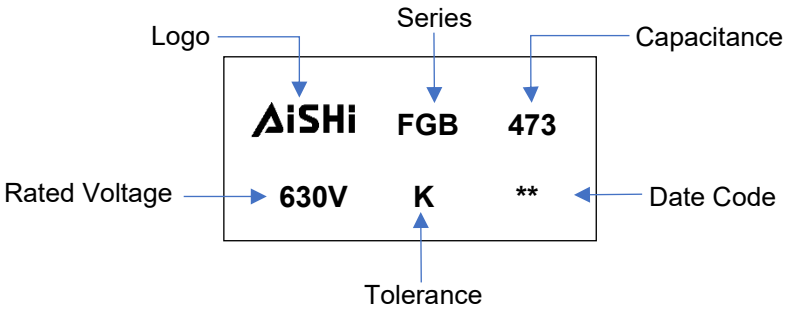
Features
- High ripple current
- Self-healing property
- Low losses
- High contact reliability
- Suitable for high frequency applications



General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	100Vdc ~ 630Vdc
Capacitance Range	0.01uF ~ 82uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	40/105/56 IEC 60068-1
Dissipation Factor	0.0010（25°C，1KHz）
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 30 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 10 000 MΩ*uF

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	GB	2G	K	105	F26	2FL	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	DC Film, Metallized PP Film	100=1K 250=2E 400=2G 630=2L	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

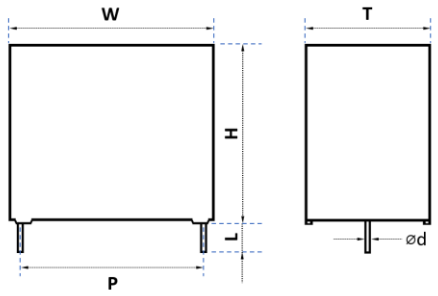
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	N/A	L
2 leads for straight cut	2	12.5mm	D		
2 leads for forming cut	E	15.0mm	E		
2 leads for taping forming	T	22.5mm	F		
2 leads for taping straight	V	27.5mm	G		
		37.5mm	K		

Lead Length Code

Lead Length	
20mm min	L
35mm min	B
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C13	13.0	0.5	11.0	0.5	5.0	0.5	10.0	0.5	0.6	0.05
C16	13.0	0.5	12.0	0.5	6.0	0.5	10.0	0.5	0.6	0.05
E14	18.0	0.5	11.0	0.5	5.0	0.5	15.0	0.5	0.6	0.05
E17	18.0	0.5	12.0	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E29	18.0	0.5	13.5	0.5	7.5	0.5	15.0	0.5	0.8	0.05
E34	18.0	0.5	14.5	0.5	8.5	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05
F20	26.0	0.5	17.0	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26.0	0.5	19.0	0.5	10.0	0.5	22.5	0.5	0.8	0.05
F26	26.0	0.5	20.0	0.5	11.0	0.5	22.5	0.5	0.8	0.05
F29	26.0	0.5	23.0	0.5	13.0	0.5	22.5	0.5	0.8	0.05
G18	32.0	0.8	20.0	0.8	11.0	0.8	27.5	0.5	0.8	0.05
G21	32.0	0.8	22.0	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G22	32.0	0.8	24.5	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G26	32.0	0.8	28.0	0.8	14.0	0.8	27.5	0.5	0.8	0.05
G34	32.0	0.8	33.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G37	32.0	0.8	31.0	0.8	21.0	0.8	27.5	0.5	0.8	0.05
G40	32.0	0.8	37.0	0.8	22.0	0.8	27.5	0.5	0.8	0.05
K21	42.0	1.0	32.0	1.0	19.0	1.0	37.5	0.5	1.0	0.05
K24	42.0	1.0	40.0	1.0	20.0	1.0	37.5	0.5	1.0	0.05
K32	42.0	1.0	44.0	1.0	24.0	1.0	37.5	0.5	1.0	0.05
K42	42.0	1.0	45.0	1.0	30.0	1.0	37.5	0.5	1.0	0.05

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
100	50	0.1	13.0	11.0	5.0	10.0	18.0	180	0.6	FGB1KK104C132CL5
100	50	0.12	13.0	11.0	5.0	10.0	21.6	180	0.6	FGB1KK124C132CL5
100	50	0.15	13.0	11.0	5.0	10.0	27.0	180	0.6	FGB1KK154C132CL5
100	50	0.18	13.0	12.0	6.0	10.0	32.4	180	0.6	FGB1KK184C162CL5
100	50	0.22	13.0	12.0	6.0	10.0	39.6	180	0.6	FGB1KK224C162CL5
100	50	0.27	18.0	12.0	6.0	15.0	27.0	100	0.6	FGB1KK274E172EL5
100	50	0.33	18.0	12.0	6.0	15.0	33.0	100	0.6	FGB1KK334E172EL5
100	50	0.39	18.0	13.5	7.5	15.0	39.0	100	0.8	FGB1KK394E292EL5
100	50	0.47	18.0	13.5	7.5	15.0	47.0	100	0.8	FGB1KK474E292EL5
100	50	0.56	18.0	14.5	8.5	15.0	56.0	100	0.8	FGB1KK564E342EL5
100	50	0.68	18.0	14.5	8.5	15.0	68.0	100	0.8	FGB1KK684E342EL5
100	50	0.82	18.0	16.0	10.0	15.0	82.0	100	0.8	FGB1KK824E432EL5
100	50	1.0	18.0	16.0	10.0	15.0	100.0	100	0.8	FGB1KK105E432EL5
100	50	1.2	26.0	17.0	8.5	22.5	72.0	60	0.8	FGB1KK125F202FL5
100	50	1.5	26.0	19.0	10.0	22.5	90.0	60	0.8	FGB1KK155F242FL5
100	50	1.8	26.0	19.0	10.0	22.5	108.0	60	0.8	FGB1KK185F242FL5
100	50	2.2	32.0	20.0	11.0	27.5	110.0	50	0.8	FGB1KK225G182GL5
100	50	2.7	32.0	20.0	11.0	27.5	135.0	50	0.8	FGB1KK275G182GL5
100	50	3.3	32.0	22.0	13.0	27.5	165.0	50	0.8	FGB1KK335G212GL5
100	50	3.9	32.0	22.0	13.0	27.5	195.0	50	0.8	FGB1KK395G212GL5
100	50	4.7	32.0	24.5	13.0	27.5	235.0	50	0.8	FGB1KK475G222GL5
100	50	5.6	32.0	28.0	14.0	27.5	280.0	50	0.8	FGB1KK565G262GL5
100	50	68	32.0	33.0	18.0	27.5	3400.0	50	0.8	FGB1KK685G342GL5
100	50	82	32.0	33.0	18.0	27.5	4100.0	50	0.8	FGB1KK825G342GL5
100	50	10	32.0	31.0	21.0	27.5	500.0	50	0.8	FGB1KK106G372GL5
100	50	10	32.0	37.0	22.0	27.5	500.0	50	0.8	FGB1KK106G402GL5
100	50	12	32.0	37.0	22.0	27.5	600.0	50	0.8	FGB1KK126G402GL5
100	50	12	42.0	32.0	19.0	37.5	420.0	35	1.0	FGB1KK126K212KL5
100	50	15	42.0	40.0	20.0	37.5	525.0	35	1.0	FGB1KK156K242KL5
100	50	18	42.0	40.0	20.0	37.5	630.0	35	1.0	FGB1KK186K242KL5
100	50	22	42.0	44.0	24.0	37.5	770.0	35	1.0	FGB1KK226K322KL5
100	50	27	42.0	45.0	30.0	37.5	945.0	35	1.0	FGB1KK276K422KL5
100	50	33	42.0	45.0	30.0	37.5	1155.0	35	1.0	FGB1KK336K422KL5
250	160	0.033	13.0	11.0	5.0	10.0	18.2	550	0.6	FGB2EK333C132CL5
250	160	0.039	13.0	11.0	5.0	10.0	21.5	550	0.6	FGB2EK393C132CL5
250	160	0.047	13.0	11.0	5.0	10.0	25.9	550	0.6	FGB2EK473C132CL5
250	160	0.056	13.0	11.0	5.0	10.0	30.8	550	0.6	FGB2EK563C132CL5
250	160	0.068	13.0	11.0	5.0	10.0	37.4	550	0.6	FGB2EK683C132CL5
250	160	0.082	13.0	11.0	5.0	10.0	45.1	550	0.6	FGB2EK823C132CL5
250	160	0.1	13.0	11.0	5.0	10.0	55.0	550	0.6	FGB2EK104C132CL5
250	160	0.12	13.0	12.0	6.0	10.0	66.0	550	0.6	FGB2EK124C162CL5
250	160	0.15	13.0	12.0	6.0	10.0	82.5	550	0.6	FGB2EK154C162CL5
250	160	0.18	18.0	11.0	5.0	15.0	54.0	300	0.6	FGB2EK184E142EL5
250	160	0.22	18.0	11.0	5.0	15.0	66.0	300	0.6	FGB2EK224E142EL5
250	160	0.27	18.0	12.0	6.0	15.0	81.0	300	0.6	FGB2EK274E172EL5
250	160	0.33	18.0	12.0	6.0	15.0	99.0	300	0.6	FGB2EK334E172EL5
250	160	0.39	18.0	13.5	7.5	15.0	117.0	300	0.8	FGB2EK394E292EL5
250	160	0.47	18.0	13.5	7.5	15.0	141.0	300	0.8	FGB2EK474E292EL5

Rating and Part Number

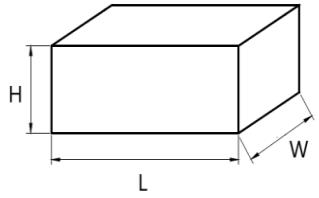
Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
250	160	0.56	18.0	13.5	7.5	15.0	168.0	300	0.8	FGB2EK564E292EL5
250	160	0.68	18.0	14.5	8.5	15.0	204.0	300	0.8	FGB2EK684E342EL5
250	160	0.82	18.0	16.0	10.0	15.0	246.0	300	0.8	FGB2EK824E432EL5
250	160	1.2	18.0	16.0	10.0	15.0	360.0	300	0.8	FGB2EK105E432EL5
250	160	1.2	18.0	19.0	11.0	15.0	360.0	300	0.8	FGB2EK125E472EL5
250	160	1.2	26.0	17.0	8.5	22.5	150.0	125	0.8	FGB2EK125F202FL5
250	160	1.5	26.0	19.0	10.0	22.5	187.5	125	0.8	FGB2EK155F242FL5
250	160	1.8	26.0	19.0	10.0	22.5	225.0	125	0.8	FGB2EK185F242FL5
250	160	2.2	26.0	20.0	11.0	22.5	275.0	125	0.8	FGB2EK225F262FL5
250	160	2.7	26.0	23.0	13.0	22.5	337.5	125	0.8	FGB2EK275F292FL5
250	160	3.3	26.0	23.0	13.0	22.5	412.5	125	0.8	FGB2EK335F292FL5
250	160	3.9	32.0	22.0	13.0	27.5	390.0	100	0.8	FGB2EK395G212GL5
250	160	4.7	32.0	24.5	13.0	27.5	470.0	100	0.8	FGB2EK475G222GL5
250	160	5.6	32.0	28.0	14.0	27.5	560.0	100	0.8	FGB2EK565G262GL5
250	160	6.8	32.0	33.0	18.0	27.5	680.0	100	0.8	FGB2EK685G342GL5
250	160	8.2	32.0	33.0	18.0	27.5	820.0	100	0.8	FGB2EK825G342GL5
250	160	10	32.0	37.0	22.0	27.5	1000.0	100	0.8	FGB2EK106G402GL5
250	160	12	42.0	32.0	19.0	37.5	480.0	40	1.0	FGB2EK126K212KL5
250	160	15	42.0	40.0	20.0	37.5	600.0	40	1.0	FGB2EK156K242KL5
250	160	22	42.0	44.0	24.0	37.5	880.0	40	1.0	FGB2EK226K322KL5
250	160	30	42.0	45.0	30.0	37.5	1200.0	40	1.0	FGB2EK306K422KL5
400	220	0.015	13.0	11.0	5.0	10.0	18.0	1200	0.6	FGB2GK153C132CL5
400	220	0.018	13.0	11.0	5.0	10.0	21.6	1200	0.6	FGB2GK183C132CL5
400	220	0.022	13.0	11.0	5.0	10.0	26.4	1200	0.6	FGB2GK223C132CL5
400	220	0.027	13.0	11.0	5.0	10.0	32.4	1200	0.6	FGB2GK273C132CL5
400	220	0.033	13.0	11.0	5.0	10.0	39.6	1200	0.6	FGB2GK333C132CL5
400	220	0.039	13.0	11.0	5.0	10.0	46.8	1200	0.6	FGB2GK393C132CL5
400	220	0.047	13.0	11.0	5.0	10.0	56.4	1200	0.6	FGB2GK473C132CL5
400	220	0.056	13.0	12.0	6.0	10.0	67.2	1200	0.6	FGB2GK563C162CL5
400	220	0.068	13.0	12.0	6.0	10.0	81.6	1200	0.6	FGB2GK683C162CL5
400	220	0.082	18.0	11.0	5.0	15.0	65.6	800	0.6	FGB2GK823E142EL5
400	220	0.1	18.0	11.0	5.0	15.0	80.0	800	0.6	FGB2GK104E142EL5
400	220	0.12	18.0	12.0	6.0	15.0	96.0	800	0.6	FGB2GK124E172EL5
400	220	0.15	18.0	12.0	6.0	15.0	120.0	800	0.6	FGB2GK154E172EL5
400	220	0.18	18.0	13.5	7.5	15.0	144.0	800	0.8	FGB2GK184E292EL5
400	220	0.22	18.0	13.5	7.5	15.0	176.0	800	0.8	FGB2GK224E292EL5
400	220	0.27	18.0	13.5	7.5	15.0	216.0	800	0.8	FGB2GK274E292EL5
400	220	0.33	18.0	14.5	8.5	15.0	264.0	800	0.8	FGB2GK334E342EL5
400	220	0.39	18.0	16.0	10.0	15.0	312.0	800	0.8	FGB2GK394E432EL5
400	220	0.47	18.0	16.0	10.0	15.0	376.0	800	0.8	FGB2GK474E432EL5
400	220	0.56	18.0	19.0	11.0	15.0	448.0	800	0.8	FGB2GK564E472EL5
400	220	0.68	26.0	19.0	10.0	22.5	204.0	300	0.8	FGB2GK684F242FL5
400	220	0.82	26.0	19.0	10.0	22.5	246.0	300	0.8	FGB2GK824F242FL5
400	220	1.0	26.0	20.0	11.0	22.5	300.0	300	0.8	FGB2GK105F262FL5
400	220	1.2	26.0	23.0	13.0	22.5	360.0	300	0.8	FGB2GK125F292FL5
400	220	1.5	26.0	23.0	13.0	22.5	450.0	300	0.8	FGB2GK155F292FL5
400	220	1.8	32.0	22.0	13.0	27.5	234.0	130	0.8	FGB2GK185G212GL5
400	220	2.2	32.0	24.5	13.0	27.5	286.0	130	0.8	FGB2GK225G222GL5

Rating and Part Number

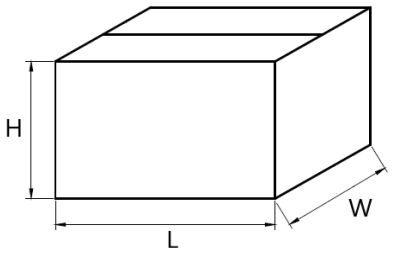
Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
400	220	2.7	32.0	28.0	14.0	27.5	351.0	130	0.8	FGB2GK275G262GL5
400	220	3.3	32.0	33.0	18.0	27.5	429.0	130	0.8	FGB2GK335G342GL5
400	220	3.9	32.0	33.0	18.0	27.5	507.0	130	0.8	FGB2GK395G342GL5
400	220	4.7	32.0	37.0	22.0	27.5	611.0	130	0.8	FGB2GK475G402GL5
400	220	5.6	42.0	32.0	19.0	37.5	392.0	70	1.0	FGB2GK565K212KL5
400	220	6.8	42.0	40.0	20.0	37.5	476.0	70	1.0	FGB2GK685K242KL5
400	220	8.2	42.0	40.0	20.0	37.5	574.0	70	1.0	FGB2GK825K242KL5
400	220	10	42.0	44.0	24.0	37.5	700.0	70	1.0	FGB2GK106K322KL5
400	220	12	42.0	45.0	30.0	37.5	840.0	70	1.0	FGB2GK126K422KL5
630	250	0.01	13.0	11.0	5.0	10.0	15.0	1500	0.6	FGB2LK103C132CL5
630	250	0.012	13.0	11.0	5.0	10.0	18.0	1500	0.6	FGB2LK123C132CL5
630	250	0.015	13.0	11.0	5.0	10.0	22.5	1500	0.6	FGB2LK153C132CL5
630	250	0.018	13.0	11.0	5.0	10.0	27.0	1500	0.6	FGB2LK183C132CL5
630	250	0.022	13.0	12.0	6.0	10.0	33.0	1500	0.6	FGB2LK223C162CL5
630	250	0.027	18.0	11.0	5.0	15.0	27.0	1000	0.6	FGB2LK273E142EL5
630	250	0.033	18.0	11.0	5.0	15.0	33.0	1000	0.6	FGB2LK333E142EL5
630	250	0.039	18.0	11.0	5.0	15.0	39.0	1000	0.6	FGB2LK393E142EL5
630	250	0.047	18.0	11.0	5.0	15.0	47.0	1000	0.6	FGB2LK473E142EL5
630	250	0.056	18.0	11.0	5.0	15.0	56.0	1000	0.6	FGB2LK563E142EL5
630	250	0.068	18.0	12.0	6.0	15.0	68.0	1000	0.6	FGB2LK683E172EL5
630	250	0.082	18.0	12.0	6.0	15.0	82.0	1000	0.6	FGB2LK823E172EL5
630	250	0.1	18.0	13.5	7.5	15.0	100.0	1000	0.8	FGB2LK104E292EL5
630	250	0.12	18.0	13.5	7.5	15.0	120.0	1000	0.8	FGB2LK124E292EL5
630	250	0.15	18.0	14.5	8.5	15.0	150.0	1000	0.8	FGB2LK154E342EL5
630	250	0.18	18.0	16.0	10.0	15.0	180.0	1000	0.8	FGB2LK184E432EL5
630	250	0.22	18.0	16.0	10.0	15.0	220.0	1000	0.8	FGB2LK224E432EL5
630	250	0.27	18.0	19.0	11.0	15.0	270.0	1000	0.8	FGB2LK274E472EL5
630	250	0.33	18.0	19.0	11.0	15.0	330.0	1000	0.8	FGB2LK334E472EL5
630	250	0.39	26.0	19.0	10.0	22.5	156.0	400	0.8	FGB2LK394F242FL5
630	250	0.47	26.0	20.0	11.0	22.5	188.0	400	0.8	FGB2LK474F262FL5
630	250	0.56	26.0	20.0	11.0	22.5	224.0	400	0.8	FGB2LK564F262FL5
630	250	0.68	26.0	23.0	13.0	22.5	272.0	400	0.8	FGB2LK684F292FL5
630	250	0.82	32.0	22.0	13.0	27.5	147.6	180	0.8	FGB2LK824G212GL5
630	250	10	32.0	22.0	13.0	27.5	1800.0	180	0.8	FGB2LK105G212GL5
630	250	12	32.0	28.0	14.0	27.5	2160.0	180	0.8	FGB2LK125G262GL5
630	250	1.5	32.0	28.0	14.0	27.5	270.0	180	0.8	FGB2LK155G262GL5
630	250	1.8	32.0	33.0	18.0	27.5	324.0	180	0.8	FGB2LK185G342GL5
630	250	2.2	32.0	33.0	18.0	27.5	396.0	180	0.8	FGB2LK225G342GL5
630	250	2.7	32.0	37.0	22.0	27.5	486.0	180	0.8	FGB2LK275G402GL5
630	250	3.3	42.0	32.0	19.0	37.5	297.0	90	1.0	FGB2LK335K212KL5
630	250	3.9	42.0	40.0	20.0	37.5	351.0	90	1.0	FGB2LK395K242KL5
630	250	4.7	42.0	40.0	20.0	37.5	423.0	90	1.0	FGB2LK475K242KL5
630	250	5.6	42.0	44.0	24.0	37.5	504.0	90	1.0	FGB2LK565K322KL5
630	250	6.8	42.0	45.0	30.0	37.5	612.0	90	1.0	FGB2LK685K422KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F26	26	20	11		336	190
	F29	26	23	13		276	160
27.5	G18	32	20	11		280	190
	G21	32	22	13		230	160
	G22	32	24.5	13		230	160
	G26	32	28	14		220	150
	G34	32	33	18		170	110
	G37	32	31	21		140	90
	G40	32	37	22		140	90
37.5	K21	42	32	19		112	
	K24	42	40	20		105	
	K32	42	44	24		91	
	K42	42	45	30		70	

Overview

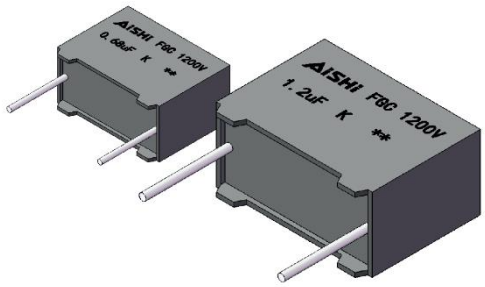
The FGC series is constructed of metallized polypropylene film and double-sided metallized film as electrodes with radial leads of tinned wires. The capacitor is encapsulated in plastic cases, sealed with epoxy resin.

Applications

Widely used in monitors (S-correction and flyback tuning), ballasts and compacts lamps, snubber and power supplies

Features

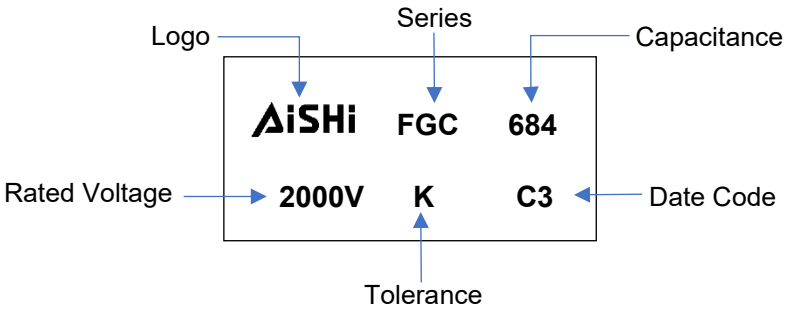
- High ripple current
- Self-healing property
- Low losses
- High contact reliability
- Suitable for high frequency applications
- Negative temperature coefficient of capacitance



General Technical Data

Dielectric	Metallized Polypropylene Film
Voltage Range	630Vdc to 2000Vdc
Capacitance Range	0.001μF to 4.7μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-55°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	55/105/56 IEC 60068-1
Dissipation Factor	0.0010（0.1%） at 25°C，1KHz
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 100 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 30 000 s

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	GC	3D	K	684	K42	2KL	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	DC Film, Double Sided Metallized PP Film	630=2L 1000=3K 1200=3B 1600=3W 2000=3D	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

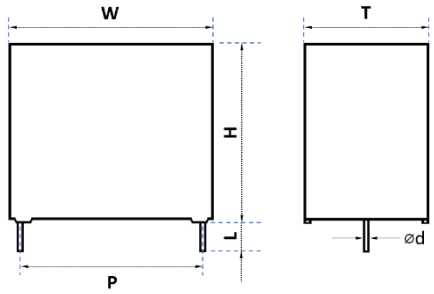
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	N/A	L
2 leads for straight cut	2	12.5mm	D		
2 leads for forming cut	E	15.0mm	E		
2 leads for taping forming	T	22.5mm	F		
2 leads for taping straight	V	27.5mm	G		
		37.5mm	K		

Lead Length Code

Lead Length	
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
Taping	T
N/A	N

Dimension (mm)



Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
C13	13	0.5	11	0.5	5	0.5	10	0.5	0.6	0.05
C16	13	0.5	12	0.5	6	0.5	10	0.5	0.6	0.05
C24	13	0.5	13	0.5	7	0.5	10	0.5	0.6	0.05
E14	18	0.5	11	0.5	5	0.5	15	0.5	0.8	0.05
E17	18	0.5	12	0.5	6	0.5	15	0.5	0.8	0.05
E29	18	0.5	13.5	0.5	7.5	0.5	15	0.5	0.8	0.05
E34	18	0.5	14.5	0.5	8.5	0.5	15	0.5	0.8	0.05
E43	18	0.5	16	0.5	10	0.5	15	0.5	0.8	0.05
E47	18	0.5	19	0.5	11	0.5	15	0.5	0.8	0.05
F14	26	0.5	15.5	0.5	6	0.5	22.5	0.5	0.8	0.05
F17	26	0.5	16.5	0.5	7	0.5	22.5	0.5	0.8	0.05
F20	26	0.5	17	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26	0.5	19	0.5	10	0.5	22.5	0.5	0.8	0.05
F26	26	0.5	20	0.5	11	0.5	22.5	0.5	0.8	0.05
F27	26	0.5	22	0.5	12	0.5	22.5	0.5	0.8	0.05
G14	32	0.8	17	0.8	8	0.8	27.5	0.5	0.8	0.05
G15	32	0.8	18	0.8	9	0.8	27.5	0.5	0.8	0.05
G18	32	0.8	20	0.8	11	0.8	27.5	0.5	0.8	0.05
G21	32	0.8	22	0.8	13	0.8	27.5	0.5	0.8	0.05
G22	32	0.8	24.5	0.8	13	0.8	27.5	0.5	0.8	0.05
G26	32	0.8	28	0.8	14	0.8	27.5	0.5	0.8	0.05
G34	32	0.8	33	0.8	18	0.8	27.5	0.5	0.8	0.05
G40	32	0.8	37	0.8	22	0.8	27.5	0.5	1.0	0.05
K11	42	0.8	24	0.8	13	0.8	37.5	0.5	1.0	0.05
K17	42	0.8	28	0.8	17	0.8	37.5	0.5	1.0	0.05
K21	42	0.8	32	0.8	19	0.8	37.5	0.5	1.0	0.05
K24	42	0.8	40	0.8	20	0.8	37.5	0.5	1.0	0.05
K32	42	0.8	44	0.8	24	0.8	37.5	0.5	1.0	0.05
K42	42	0.8	45	0.8	30	0.8	37.5	0.5	1.0	0.05
K47	42	0.8	50	0.8	35	0.8	37.5	0.5	1.0	0.05
K85	42	0.8	22	0.8	11	0.8	37.5	0.5	1.0	0.05
K86	42	0.8	28.5	0.8	16	0.8	37.5	0.5	1.0	0.05

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms	Peak Current	$ESR_{Typical}$	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P	100KHz		100KHZ				
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
630	400	0.0039	13	11	5	10	1.0	15.6	160.0	10.0	4000	0.6	FGC2LK392C132CL5
630	400	0.0047	13	11	5	10	1.2	18.8	135.0	10.0	4000	0.6	FGC2LK472C132CL5
630	400	0.0056	13	11	5	10	1.3	22.4	110.0	10.0	4000	0.6	FGC2LK562C132CL5
630	400	0.0068	13	11	5	10	1.4	27.2	93.0	10.0	4000	0.6	FGC2LK682C132CL5
630	400	0.0082	13	11	5	10	1.5	32.8	80.0	10.0	4000	0.6	FGC2LK822C132CL5
630	400	0.01	13	11	5	10	1.8	40.0	65.0	10.0	4000	0.6	FGC2LK103C132CL5
630	400	0.012	13	11	5	10	2.0	48.0	55.0	10.0	4000	0.6	FGC2LK123C132CL5
630	400	0.015	13	12	6	10	2.4	60.0	45.0	10.0	4000	0.6	FGC2LK153C162CL5
630	400	0.018	13	12	6	10	2.6	72.0	35.0	10.0	4000	0.6	FGC2LK183C162CL5
630	400	0.02	13	13	7	10	2.7	80.0	32.0	10.0	4000	0.6	FGC2LK203C242CL5
630	400	0.022	13	13	7	10	2.8	88.0	30.0	10.0	4000	0.6	FGC2LK223C242CL5
630	400	0.01	18	11	5	15	1.8	30.0	62.0	12.0	3000	0.8	FGC2LK103E142EL5
630	400	0.012	18	11	5	15	2.2	36.0	52.0	12.0	3000	0.8	FGC2LK123E142EL5
630	400	0.015	18	11	5	15	2.5	45.0	42.0	12.0	3000	0.8	FGC2LK153E142EL5
630	400	0.018	18	11	5	15	2.7	54.0	35.0	12.0	3000	0.8	FGC2LK183E142EL5
630	400	0.02	18	11	5	15	2.8	60.0	32.0	12.0	3000	0.8	FGC2LK203E142EL5
630	400	0.022	18	11	5	15	2.9	66.0	30.0	12.0	3000	0.8	FGC2LK223E142EL5
630	400	0.027	18	12	6	15	3.2	81.0	25.0	12.0	3000	0.8	FGC2LK273E172EL5
630	400	0.033	18	12	6	15	3.7	99.0	20.0	12.0	3000	0.8	FGC2LK333E172EL5
630	400	0.039	18	12	6	15	3.9	117.0	16.0	12.0	3000	0.8	FGC2LK393E172EL5
630	400	0.047	18	13.5	7.5	15	4.5	141.0	15.0	12.0	3000	0.8	FGC2LK473E292EL5
630	400	0.056	18	13.5	7.5	15	4.6	168.0	14.0	12.0	3000	0.8	FGC2LK563E292EL5
630	400	0.068	18	14.5	8.5	15	4.7	204.0	13.5	12.0	3000	0.8	FGC2LK683E342EL5
630	400	0.082	18	16	10	15	4.8	246.0	13.2	12.0	3000	0.8	FGC2LK823E432EL5
630	400	0.1	18	16	10	15	5.0	300.0	13.0	12.0	3000	0.8	FGC2LK104E432EL5
630	400	0.12	18	19	11	15	5.4	360.0	12.5	12.0	3000	0.8	FGC2LK124E472EL5
630	400	0.047	26	15.5	6	22.5	3.8	70.5	20.0	15.0	1500	0.8	FGC2LK473F142FL5
630	400	0.056	26	15.5	6	22.5	4.0	84.0	19.5	15.0	1500	0.8	FGC2LK563F142FL5
630	400	0.068	26	15.5	6	22.5	4.2	102.0	19.0	15.0	1500	0.8	FGC2LK683F142FL5
630	400	0.082	26	15.5	6	22.5	4.5	123.0	18.0	15.0	1500	0.8	FGC2LK823F142FL5
630	400	0.1	26	15.5	6	22.5	5.0	150.0	16.0	15.0	1500	0.8	FGC2LK104F142FL5
630	400	0.12	26	16.5	7	22.5	5.3	180.0	14.0	15.0	1500	0.8	FGC2LK124F172FL5
630	400	0.15	26	17	8.5	22.5	6.0	225.0	11.0	15.0	1500	0.8	FGC2LK154F202FL5
630	400	0.18	26	17	8.5	22.5	6.5	270.0	10.0	15.0	1500	0.8	FGC2LK184F202FL5
630	400	0.22	26	19	10	22.5	7.5	330.0	8.5	15.0	1500	0.8	FGC2LK224F242FL5
630	400	0.27	26	20	11	22.5	8.5	405.0	6.5	15.0	1500	0.8	FGC2LK274F262FL5
630	400	0.33	26	20	11	22.5	9.0	495.0	6.0	15.0	1500	0.8	FGC2LK334F262FL5
630	400	0.39	26	22	12	22.5	10.0	585.0	5.0	15.0	1500	0.8	FGC2LK394F272FL5
630	400	0.15	32	17	8	27.5	4.6	135.0	25.0	20.0	900	0.8	FGC2LK154G142GL5
630	400	0.18	32	17	8	27.5	4.8	162.0	22.0	20.0	900	0.8	FGC2LK184G142GL5
630	400	0.22	32	18	9	27.5	5.0	198.0	20.0	20.0	900	0.8	FGC2LK224G152GL5
630	400	0.27	32	20	11	27.5	5.5	243.0	17.5	20.0	900	0.8	FGC2LK274G182GL5
630	400	0.33	32	20	11	27.5	5.8	297.0	16.5	20.0	900	0.8	FGC2LK334G182GL5
630	400	0.39	32	20	11	27.5	6.0	351.0	16.0	20.0	900	0.8	FGC2LK394G182GL5
630	400	0.47	32	22	13	27.5	6.5	423.0	14.0	20.0	900	0.8	FGC2LK474G212GL5
630	400	0.56	32	22	13	27.5	7.0	504.0	12.0	20.0	900	0.8	FGC2LK564G212GL5
630	400	0.68	32	24.5	13	27.5	7.5	612.0	10.5	20.0	900	0.8	FGC2LK684G222GL5
630	400	0.82	32	28	14	27.5	8.5	738.0	9.0	20.0	900	0.8	FGC2LK824G262GL5
630	400	1	32	33	18	27.5	10.0	900.0	7.0	20.0	900	0.8	FGC2LK105G342GL5
630	400	1.2	32	33	18	27.5	13.0	1080.0	6.0	20.0	900	0.8	FGC2LK125G342GL5
630	400	1.5	32	37	22	27.5	15.0	1350.0	5.0	20.0	900	1.0	FGC2LK155G402GL5
630	400	1.8	32	37	22	27.5	16.0	1620.0	4.0	20.0	900	1.0	FGC2LK185G402GL5
630	400	0.33	42	22	11	37.5	6.8	165.0	13.0	25.0	500	1.0	FGC2LK334K852KL5
630	400	0.47	42	22	11	37.5	7.0	235.0	12.5	25.0	500	1.0	FGC2LK474K852KL5
630	400	0.56	42	22	11	37.5	7.5	280.0	11.0	25.0	500	1.0	FGC2LK564K852KL5
630	400	0.68	42	22	11	37.5	8.0	340.0	10.5	25.0	500	1.0	FGC2LK684K852KL5

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms	Peak Current	$ESR_{Typical}$	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P	100KHz		100KHZ				
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
630	400	0.82	42	28.5	16	37.5	8.0	410.0	10.5	25.0	500	1.0	FGC2LK824K862KL5
630	400	1.0	42	28.5	16	37.5	8.5	500.0	10.0	25.0	500	1.0	FGC2LK105K862KL5
630	400	1.5	42	28.5	16	37.5	9.5	750.0	9.0	25.0	500	1.0	FGC2LK155K862KL5
630	400	1.8	42	32	19	37.5	10.5	900.0	8.5	25.0	500	1.0	FGC2LK185K212KL5
630	400	2.2	42	40	20	37.5	11.5	1100.0	8.0	25.0	500	1.0	FGC2LK225K242KL5
630	400	2.7	42	40	20	37.5	13.0	1350.0	7.0	25.0	500	1.0	FGC2LK275K242KL5
630	400	3.3	42	44	24	37.5	14.0	1650.0	6.0	25.0	500	1.0	FGC2LK335K322KL5
630	400	3.9	42	45	30	37.5	15.0	1950.0	5.0	25.0	500	1.0	FGC2LK395K422KL5
630	400	4.7	42	50	35	37.5	16.0	2350.0	4.0	25.0	500	1.0	FGC2LK475K472KL5
1000	600	0.0039	13	11	5	10	1.0	25.4	160.0	10.0	6500	0.6	FGC3KK392C132CL5
1000	600	0.0047	13	11	5	10	1.2	30.6	135.0	10.0	6500	0.6	FGC3KK472C132CL5
1000	600	0.0056	13	12	6	10	1.3	36.4	110.0	10.0	6500	0.6	FGC3KK562C162CL5
1000	600	0.0068	13	12	6	10	1.4	44.2	93.0	10.0	6500	0.6	FGC3KK682C162CL5
1000	600	0.0082	18	11	5	15	1.5	28.7	80.0	10.0	3500	0.8	FGC3KK822E142EL5
1000	600	0.01	18	11	5	15	1.8	35.0	62.0	12.0	3500	0.8	FGC3KK103E142EL5
1000	600	0.012	18	11	5	15	2.2	42.0	52.0	12.0	3500	0.8	FGC3KK123E142EL5
1000	600	0.015	18	11	5	15	2.5	52.5	42.0	12.0	3500	0.8	FGC3KK153E142EL5
1000	600	0.018	18	11	5	15	2.7	63.0	35.0	12.0	3500	0.8	FGC3KK183E142EL5
1000	600	0.02	18	12	6	15	2.8	70.0	32.0	10.0	3500	0.8	FGC3KK203E172EL5
1000	600	0.022	18	12	6	15	3.0	77.0	29.0	10.0	3500	0.8	FGC3KK223E172EL5
1000	600	0.027	18	13.5	7.5	15	3.5	94.5	24.0	12.0	3500	0.8	FGC3KK273E292EL5
1000	600	0.033	18	13.5	7.5	15	4.0	115.5	19.0	12.0	3500	0.8	FGC3KK333E292EL5
1000	600	0.039	18	14.5	8.5	15	4.5	136.5	16.0	12.0	3500	0.8	FGC3KK393E342EL5
1000	600	0.047	18	14.5	8.5	15	4.9	164.5	14.0	12.0	3500	0.8	FGC3KK473E342EL5
1000	600	0.027	26	15.5	6	22.5	3.8	56.7	24.0	15.0	2100	0.8	FGC3KK273F142FL5
1000	600	0.033	26	15.5	6	22.5	4.3	69.3	19.0	15.0	2100	0.8	FGC3KK333F142FL5
1000	600	0.039	26	15.5	6	22.5	4.8	81.9	16.0	15.0	2100	0.8	FGC3KK393F142FL5
1000	600	0.047	26	16.5	7	22.5	5.0	98.7	15.0	15.0	2100	0.8	FGC3KK473F172FL5
1000	600	0.056	26	16.5	7	22.5	5.4	117.6	14.5	15.0	2100	0.8	FGC3KK563F172FL5
1000	600	0.068	26	17	8.5	22.5	5.6	142.8	14.0	15.0	2100	0.8	FGC3KK683F202FL5
1000	600	0.082	26	19	10	22.5	5.8	172.2	13.5	15.0	2100	0.8	FGC3KK823F242FL5
1000	600	0.1	26	19	10	22.5	6.0	210.0	13.0	15.0	2100	0.8	FGC3KK104F242FL5
1000	600	0.12	26	20	11	22.5	6.5	180.0	12.5	15.0	1500	0.8	FGC3KK124F262FL5
1000	600	0.15	26	22	12	22.5	7.0	225.0	11.0	15.0	1500	0.8	FGC3KK154F272FL5
1000	600	0.1	32	17	8	27.5	4.5	90.0	25.0	20.0	900	0.8	FGC3KK104G142GL5
1000	600	0.12	32	18	9	27.5	4.8	108.0	22.0	20.0	900	0.8	FGC3KK124G152GL5
1000	600	0.15	32	20	11	27.5	5.0	135.0	21.0	20.0	900	0.8	FGC3KK154G182GL5
1000	600	0.18	32	22	13	27.5	5.5	162.0	18.0	20.0	900	0.8	FGC3KK184G212GL5
1000	600	0.22	32	22	13	27.5	6.0	198.0	14.0	20.0	900	0.8	FGC3KK224G212GL5
1000	600	0.27	32	24.5	13	27.5	6.5	243.0	13.5	20.0	900	0.8	FGC3KK274G222GL5
1000	600	0.33	32	28	14	27.5	7.0	297.0	12.0	20.0	900	0.8	FGC3KK334G262GL5
1000	600	0.39	32	33	18	27.5	7.5	351.0	11.0	20.0	900	0.8	FGC3KK394G342GL5
1000	600	0.47	32	33	18	27.5	8.0	423.0	10.0	20.0	900	1.0	FGC3KK474G342GL5
1000	600	0.56	32	37	22	27.5	8.5	504.0	9.0	20.0	900	1.0	FGC3KK564G402GL5
1000	600	0.68	32	37	22	27.5	9.5	612.0	8.0	20.0	900	1.0	FGC3KK684G402GL5
1000	600	0.18	42	22	11	37.5	6.0	90.0	18.0	25.0	500	1.0	FGC3KK184K852KL5
1000	600	0.22	42	22	11	37.5	6.5	110.0	14.0	25.0	500	1.0	FGC3KK224K852KL5
1000	600	0.27	42	24	13	37.5	6.8	135.0	13.0	25.0	500	1.0	FGC3KK274K112KL5
1000	600	0.33	42	24	13	37.5	7.2	165.0	12.0	25.0	500	1.0	FGC3KK334K112KL5
1000	600	0.39	42	28	17	37.5	7.4	195.0	11.5	25.0	500	1.0	FGC3KK394K172KL5
1000	600	0.47	42	28	17	37.5	7.6	235.0	11.0	25.0	500	1.0	FGC3KK474K172KL5
1000	600	0.56	42	28	17	37.5	8.0	280.0	10.5	25.0	500	1.0	FGC3KK564K172KL5
1000	600	0.68	42	32	19	37.5	8.5	340.0	10.0	25.0	500	1.0	FGC3KK684K212KL5
1000	600	0.82	42	40	20	37.5	10.0	410.0	9.0	25.0	500	1.0	FGC3KK824K242KL5
1000	600	1.0	42	40	20	37.5	11.0	500.0	7.0	25.0	500	1.0	FGC3KK105K242KL5
1000	600	1.2	42	44	24	37.5	12.0	600.0	6.5	25.0	500	1.0	FGC3KK125K322KL5

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Irms	Peak Current	$ESR_{Typical}$	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P	100KHz		100KHZ				
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
1000	600	1.5	42	44	24	37.5	13.0	750.0	6.0	25.0	500	1.0	FGC3KK155K322KL5
1000	600	1.8	42	45	30	37.5	15.0	900.0	5.0	25.0	500	1.0	FGC3KK185K422KL5
1000	600	2.2	42	45	30	37.5	16.0	1100.0	4.0	25.0	500	1.0	FGC3KK225K422KL5
1600	650	0.0033	18	11	5	15	1.1	19.8	190.0	12.0	6000	0.8	FGC3WK332E142EL5
1600	650	0.0047	18	11	5	15	1.3	28.2	165.0	12.0	6000	0.8	FGC3WK472E142EL5
1600	650	0.0056	18	11	5	15	1.4	33.6	120.0	12.0	6000	0.8	FGC3WK562E142EL5
1600	650	0.0068	18	11	5	15	1.6	40.8	100.0	12.0	6000	0.8	FGC3WK682E142EL5
1600	650	0.0082	18	11	5	15	1.8	49.2	95.0	12.0	6000	0.8	FGC3WK822E142EL5
1600	650	0.01	18	11	5	15	2.0	60.0	65.0	12.0	6000	0.8	FGC3WK103E142EL5
1600	650	0.012	18	12	6	15	2.3	72.0	50.0	12.0	6000	0.8	FGC3WK123E172EL5
1600	650	0.015	18	12	6	15	2.5	90.0	45.0	12.0	6000	0.8	FGC3WK153E172EL5
1600	650	0.018	18	13.5	7.5	15	3.0	108.0	35.0	12.0	6000	0.8	FGC3WK183E292EL5
1600	650	0.022	18	13.5	7.5	15	3.2	132.0	30.0	12.0	6000	0.8	FGC3WK223E292EL5
1600	650	0.027	18	14.5	8.5	15	3.8	162.0	25.0	12.0	6000	0.8	FGC3WK273E342EL5
1600	650	0.033	18	14.5	8.5	15	4.0	198.0	20.0	12.0	6000	0.8	FGC3WK333E342EL5
1600	650	0.015	26	15.5	6	22.5	2.8	45.0	40.0	15.0	3000	0.8	FGC3WK153F142FL5
1600	650	0.022	26	15.5	6	22.5	3.5	66.0	30.0	15.0	3000	0.8	FGC3WK223F142FL5
1600	650	0.033	26	15.5	6	22.5	4.0	99.0	20.0	15.0	3000	0.8	FGC3WK333F142FL5
1600	650	0.039	26	16.5	7	22.5	4.8	117.0	16.0	15.0	3000	0.8	FGC3WK393F172FL5
1600	650	0.047	26	16.5	7	22.5	5.2	141.0	15.0	15.0	3000	0.8	FGC3WK473F172FL5
1600	650	0.056	26	17	8.5	22.5	5.4	168.0	14.0	15.0	3000	0.8	FGC3WK563F202FL5
1600	650	0.068	26	19	10	22.5	5.8	204.0	13.0	15.0	3000	0.8	FGC3WK683F242FL5
1600	650	0.082	26	19	10	22.5	6.0	246.0	12.0	15.0	3000	0.8	FGC3WK823F242FL5
1600	650	0.1	26	20	11	22.5	6.5	300.0	11.0	15.0	3000	0.8	FGC3WK104F262FL5
1600	650	0.039	32	17	8	27.5	3.8	78.0	30.0	20.0	2000	0.8	FGC3WK393G142GL5
1600	650	0.047	32	17	8	27.5	4.0	94.0	29.0	20.0	2000	0.8	FGC3WK473G142GL5
1600	650	0.056	32	17	8	27.5	4.5	112.0	28.0	20.0	2000	0.8	FGC3WK563G142GL5
1600	650	0.068	32	18	9	27.5	5.0	136.0	24.0	20.0	2000	0.8	FGC3WK683G152GL5
1600	650	0.082	32	20	11	27.5	5.5	164.0	20.0	20.0	2000	0.8	FGC3WK823G182GL5
1600	650	0.1	32	22	13	27.5	6.0	200.0	18.0	20.0	2000	0.8	FGC3WK104G212GL5
1600	650	0.12	32	22	13	27.5	6.5	240.0	16.0	20.0	2000	0.8	FGC3WK124G212GL5
1600	650	0.15	32	24.5	13	27.5	7.0	300.0	14.0	20.0	2000	0.8	FGC3WK154G222GL5
1600	650	0.18	32	28	14	27.5	7.5	360.0	12.0	20.0	2000	0.8	FGC3WK184G262GL5
1600	650	0.22	32	33	18	27.5	8.5	440.0	10.0	20.0	2000	0.8	FGC3WK224G342GL5
1600	650	0.27	32	33	18	27.5	9.0	540.0	9.5	20.0	2000	0.8	FGC3WK274G342GL5
1600	650	0.33	32	33	18	27.5	10.0	660.0	8.0	20.0	2000	0.8	FGC3WK334G342GL5
1600	650	0.39	32	37	22	27.5	11.0	780.0	7.0	20.0	2000	1.0	FGC3WK394G402GL5
1600	650	0.47	32	37	22	27.5	12.0	940.0	6.0	20.0	2000	1.0	FGC3WK474G402GL5
1600	650	0.082	42	22	11	37.5	4.8	98.4	28.0	25.0	1200	1.0	FGC3WK823K852KL5
1600	650	0.1	42	22	11	37.5	5.0	120.0	24.0	25.0	1200	1.0	FGC3WK104K852KL5
1600	650	0.12	42	22	11	37.5	5.5	144.0	22.0	25.0	1200	1.0	FGC3WK124K852KL5
1600	650	0.15	42	22	11	37.5	5.8	180.0	20.0	25.0	1200	1.0	FGC3WK154K852KL5
1600	650	0.18	42	24	13	37.5	6.0	216.0	18.0	25.0	1200	1.0	FGC3WK184K112KL5
1600	650	0.22	42	24	13	37.5	6.2	264.0	17.0	25.0	1200	1.0	FGC3WK224K112KL5
1600	650	0.27	42	24	13	37.5	6.5	324.0	15.0	25.0	1200	1.0	FGC3WK274K112KL5
1600	650	0.33	42	28.5	16	37.5	6.8	396.0	14.0	25.0	1200	1.0	FGC3WK334K862KL5
1600	650	0.39	42	28.5	16	37.5	7.5	468.0	12.5	25.0	1200	1.0	FGC3WK394K862KL5
1600	650	0.47	42	32	19	37.5	8.0	564.0	12.0	25.0	1200	1.0	FGC3WK474K212KL5
1600	650	0.56	42	40	20	37.5	9.0	672.0	11.0	25.0	1200	1.0	FGC3WK564K242KL5
1600	650	0.68	42	40	20	37.5	9.5	816.0	10.5	25.0	1200	1.0	FGC3WK684K242KL5
1600	650	0.82	42	44	24	37.5	10.5	984.0	9.0	25.0	1200	1.0	FGC3WK824K322KL5
1600	650	1	42	44	24	37.5	12.0	1200.0	7.5	25.0	1200	1.0	FGC3WK105K322KL5
1600	650	1.2	42	45	30	37.5	14.0	1440.0	6.0	25.0	1200	1.0	FGC3WK125K422KL5
2000	700	0.001	18	11	5	15	0.5	9.5	630.0	12.0	9500	0.8	FGC3DK102E142EL5
2000	700	0.0012	18	11	5	15	0.6	11.4	500.0	12.0	9500	0.8	FGC3DK122E142EL5
2000	700	0.0015	18	11	5	15	0.7	14.3	420.0	12.0	9500	0.8	FGC3DK152E142EL5

Rating and Part Number

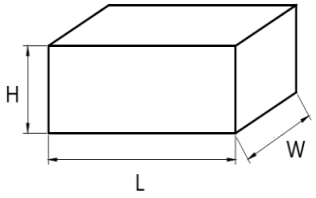
Vdc	Vac	Cap Value	Dimensions				Irms	Peak Current	$ESR_{Typical}$	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P	100KHz		100KHZ				
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
2000	700	0.0018	18	11	5	15	0.8	17.1	350.0	12.0	9500	0.8	FGC3DK182E142EL5
2000	700	0.0022	18	11	5	15	0.9	20.9	300.0	12.0	9500	0.8	FGC3DK222E142EL5
2000	700	0.0027	18	11	5	15	1.0	25.7	240.0	12.0	9500	0.8	FGC3DK272E142EL5
2000	700	0.0033	18	11	5	15	1.2	31.4	190.0	12.0	9500	0.8	FGC3DK332E142EL5
2000	700	0.0039	18	11	5	15	1.3	37.1	165.0	12.0	9500	0.8	FGC3DK392E142EL5
2000	700	0.0047	18	11	5	15	1.4	44.7	135.0	12.0	9500	0.8	FGC3DK472E142EL5
2000	700	0.0056	18	12	6	15	1.6	53.2	110.0	12.0	9500	0.8	FGC3DK562E172EL5
2000	700	0.0068	18	12	6	15	1.8	64.6	95.0	12.0	9500	0.8	FGC3DK682E172EL5
2000	700	0.0082	18	12	6	15	2.0	77.9	80.0	12.0	9500	0.8	FGC3DK822E172EL5
2000	700	0.01	18	13.5	7.5	15	2.5	95.0	65.0	12.0	9500	0.8	FGC3DK103E292EL5
2000	700	0.012	18	14.5	8.5	15	2.8	114.0	50.0	12.0	9500	0.8	FGC3DK123E342EL5
2000	700	0.015	18	14.5	8.5	15	3.0	142.5	45.0	12.0	9500	0.8	FGC3DK153E342EL5
2000	700	0.018	18	16	10	15	3.8	171.0	35.0	12.0	9500	0.8	FGC3DK183E432EL5
2000	700	0.001	26	15.5	6	22.5	0.6	4.5	550.0	15.0	4500	0.8	FGC3DK102F142FL5
2000	700	0.0012	26	15.5	6	22.5	0.7	5.4	450.0	15.0	4500	0.8	FGC3DK122F142FL5
2000	700	0.0015	26	15.5	6	22.5	0.8	6.8	360.0	15.0	4500	0.8	FGC3DK152F142FL5
2000	700	0.0018	26	15.5	6	22.5	0.9	8.1	300.0	15.0	4500	0.8	FGC3DK182F142FL5
2000	700	0.0022	26	15.5	6	22.5	1.0	9.9	250.0	15.0	4500	0.8	FGC3DK222F142FL5
2000	700	0.0027	26	15.5	6	22.5	1.2	12.2	230.0	15.0	4500	0.8	FGC3DK272F142FL5
2000	700	0.0033	26	15.5	6	22.5	1.2	14.9	200.0	15.0	4500	0.8	FGC3DK332F142FL5
2000	700	0.0039	26	15.5	6	22.5	1.4	17.6	180.0	15.0	4500	0.8	FGC3DK392F142FL5
2000	700	0.0047	26	15.5	6	22.5	1.6	21.2	140.0	15.0	4500	0.8	FGC3DK472F142FL5
2000	700	0.0056	26	15.5	6	22.5	1.8	25.2	120.0	15.0	4500	0.8	FGC3DK562F142FL5
2000	700	0.0068	26	15.5	6	22.5	2.0	30.6	95.0	15.0	4500	0.8	FGC3DK682F142FL5
2000	700	0.0082	26	15.5	6	22.5	2.2	36.9	75.0	15.0	4500	0.8	FGC3DK822F142FL5
2000	700	0.01	26	15.5	6	22.5	2.3	45.0	65.0	15.0	4500	0.8	FGC3DK103F142FL5
2000	700	0.012	26	15.5	6	22.5	2.5	54.0	60.0	15.0	4500	0.8	FGC3DK123F142FL5
2000	700	0.015	26	15.5	6	22.5	2.8	67.5	45.0	15.0	4500	0.8	FGC3DK153F142FL5
2000	700	0.018	26	15.5	6	22.5	3.2	81.0	35.0	15.0	4500	0.8	FGC3DK183F142FL5
2000	700	0.022	26	16.5	7	22.5	4.0	99.0	26.0	15.0	4500	0.8	FGC3DK223F172FL5
2000	700	0.027	26	16.5	7	22.5	4.5	121.5	20.0	15.0	4500	0.8	FGC3DK273F172FL5
2000	700	0.033	26	17	8.5	22.5	5.2	148.5	18.0	15.0	4500	0.8	FGC3DK333F202FL5
2000	700	0.039	26	19	10	22.5	5.8	175.5	15.0	15.0	4500	0.8	FGC3DK393F242FL5
2000	700	0.047	26	19	10	22.5	6.0	211.5	13.0	15.0	4500	0.8	FGC3DK473F242FL5
2000	700	0.056	26	20	11	22.5	6.5	252.0	12.0	15.0	4500	0.8	FGC3DK563F262FL5
2000	700	0.022	32	17	8	27.5	3.0	55.0	45.0	20.0	2500	0.8	FGC3DK223G142GL5
2000	700	0.027	32	17	8	27.5	3.5	67.5	40.0	20.0	2500	0.8	FGC3DK273G142GL5
2000	700	0.033	32	18	9	27.5	4.0	82.5	35.0	20.0	2500	0.8	FGC3DK333G152GL5
2000	700	0.039	32	20	11	27.5	4.5	97.5	28.0	20.0	2500	0.8	FGC3DK393G182GL5
2000	700	0.047	32	20	11	27.5	4.8	117.5	25.0	20.0	2500	0.8	FGC3DK473G182GL5
2000	700	0.056	32	22	13	27.5	5.0	140.0	24.0	20.0	2500	0.8	FGC3DK563G212GL5
2000	700	0.068	32	22	13	27.5	5.5	170.0	22.0	20.0	2500	0.8	FGC3DK683G212GL5
2000	700	0.082	32	24.5	13	27.5	6.0	205.0	20.0	20.0	2500	0.8	FGC3DK823G222GL5
2000	700	0.1	32	28	14	27.5	6.5	250.0	18.0	20.0	2500	0.8	FGC3DK104G262GL5
2000	700	0.12	32	33	18	27.5	7.0	300.0	16.0	20.0	2500	0.8	FGC3DK124G342GL5
2000	700	0.15	32	33	18	27.5	7.5	375.0	14.0	20.0	2500	0.8	FGC3DK154G342GL5
2000	700	0.18	32	37	22	27.5	8.0	450.0	12.0	20.0	2500	1.0	FGC3DK184G402GL5
2000	700	0.22	32	37	22	27.5	8.5	550.0	10.0	20.0	2500	1.0	FGC3DK224G402GL5
2000	700	0.033	42	22	11	37.5	4.0	49.5	35.0	25.0	1500	1.0	FGC3DK333K852KL5
2000	700	0.039	42	22	11	37.5	4.5	58.5	28.0	25.0	1500	1.0	FGC3DK393K852KL5
2000	700	0.047	42	22	11	37.5	4.8	70.5	26.0	25.0	1500	1.0	FGC3DK473K852KL5
2000	700	0.056	42	22	11	37.5	5.0	84.0	24.0	25.0	1500	1.0	FGC3DK563K852KL5
2000	700	0.068	42	22	11	37.5	5.4	102.0	23.0	25.0	1500	1.0	FGC3DK683K852KL5
2000	700	0.082	42	22	11	37.5	5.8	123.0	22.0	25.0	1500	1.0	FGC3DK823K852KL5
2000	700	0.1	42	24	13	37.5	6.5	150.0	18.0	25.0	1500	1.0	FGC3DK104K112KL5
2000	700	0.12	42	24	13	37.5	7.0	180.0	16.0	25.0	1500	1.0	FGC3DK124K112KL5

Rating and Part Number

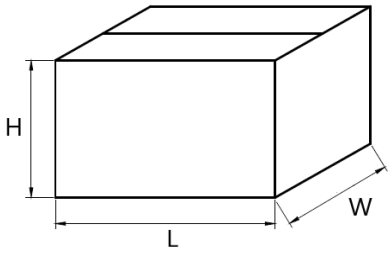
Vdc	Vac	Cap Value	Dimensions				Irms 100KHz	Peak Current	$ESR_{Typical}$ 100KHZ	ESL	dv/dt	Lead Wire	Part Number
			W	H	T	P							
		μF	mm	mm	mm	mm	70°CA	A	mΩ	nH	V/us	mm	
2000	700	0.15	42	28.5	16	37.5	7.5	225.0	15.0	25.0	1500	1.0	FGC3DK154K862KL5
2000	700	0.18	42	28.5	16	37.5	8.0	270.0	14.0	25.0	1500	1.0	FGC3DK184K862KL5
2000	700	0.22	42	32	19	37.5	8.5	330.0	12.0	25.0	1500	1.0	FGC3DK224K212KL5
2000	700	0.27	42	40	20	37.5	9.0	405.0	11.0	25.0	1500	1.0	FGC3DK274K242KL5
2000	700	0.33	42	40	20	37.5	9.5	495.0	10.5	25.0	1500	1.0	FGC3DK334K242KL5
2000	700	0.39	42	44	24	37.5	10.0	585.0	9.5	25.0	1500	1.0	FGC3DK394K322KL5
2000	700	0.47	42	44	24	37.5	10.5	705.0	9.0	25.0	1500	1.0	FGC3DK474K322KL5
2000	700	0.56	42	45	30	37.5	12.0	840.0	7.5	25.0	1500	1.0	FGC3DK564K422KL5
2000	700	0.68	42	45	30	37.5	14.0	1020.0	6.0	25.0	1500	1.0	FGC3DK684K422KL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



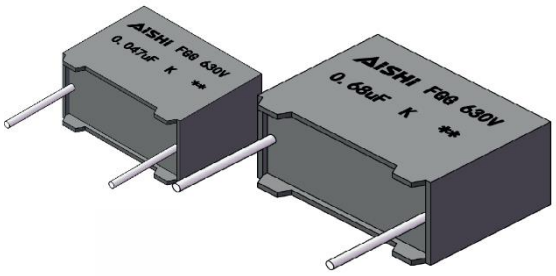
Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
10	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
	C24	13	13	7	1,200	1,056	480
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F14	26	15.5	6	612	612	350
	F17	26	16.5	7	528	528	300
	F20	26	17	8.5	432	432	250
	F24	26	19	10	372	372	210
	F26	26	20	11	336	336	190
	F27	26	22	12	300	300	170
27.5	G14	32	17	8	380	380	
	G15	32	18	9	340	340	
	G18	32	20	11	280	280	
	G21	32	22	13	230	230	
	G22	32	24.5	13	230	230	
	G26	32	28	14	220	220	
	G34	32	33	18	170	170	
	G40	32	37	22	140	140	
37.5	K11	42	24	13	161	161	
	K17	42	28	17	126	126	
	K21	42	32	19	112	112	
	K24	42	40	20	105	105	
	K32	42	44	24	91	91	
	K42	42	45	30	70	70	
	K47	42	50	35	63	63	
	K85	42	22	11	196	196	
	K86	42	28.5	16	133	133	

Overview
The FGG series is constructed of metallized polyester film encapsulated in plastic cases, sealed with epoxy resin.

Applications
Widely used in by-passing, blocking, coupling, decoupling, pulse, logic, timing, oscillator circuits, ballasts and compact lamps

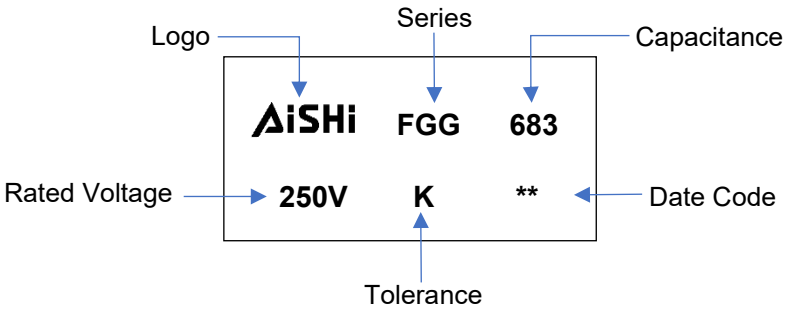
Features
- Self-healing property
- High density packaging
- Good solderability
- High moisture resistance
- High operating temperature 125°C



General Technical Data

Dielectric	Metallized Polyester Film
Voltage Range	100Vdc ~ 630Vdc
Capacitance Range	0.001uF ~ 30uF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +125°C (85°C ~125°C, decreasing factor 1.25% per °C for Rated Voltage)
Climatic Category	40/105/56 IEC 60068-1
Dissipation Factor	0.010（25°C，1KHz）
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 30 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 10 000 MΩ*uF

Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	GG	2G	K	105	F24	2FL	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	DC Film, Metallized PE Film	100=1K 250=2E 400=2G 630=2L	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

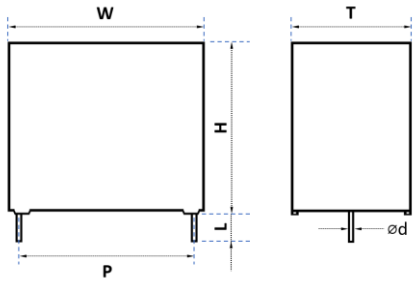
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	N/A	L
2 leads for straight cut	2	12.5mm	D		
2 leads for forming cut	E	15.0mm	E		
2 leads for taping forming	T	22.5mm	F		
2 leads for taping straight	V	27.5mm	G		

Lead Length Code

Lead Length	
20mm min	L
35mm min	B
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



Size Code Table (mm)

Size Code	Dimension						Pitch		Lead Wire	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	Ød	Tolerance
B11	10.0	0.5	9.0	0.5	4.0	0.5	7.5	0.5	0.5	0.05
B15	10.0	0.5	11.0	0.5	5.0	0.5	7.5	0.5	0.5	0.05
B16	10.0	0.5	12.0	0.5	6.0	0.5	7.5	0.5	0.5	0.05
C11	13.0	0.5	9.0	0.5	4.0	0.5	10.0	0.5	0.6	0.05
C13	13.0	0.5	11.0	0.5	5.0	0.5	10.0	0.5	0.6	0.05
C16	13.0	0.5	12.0	0.5	6.0	0.5	10.0	0.5	0.6	0.05
C24	13.0	0.5	13.0	0.5	7.0	0.5	10.0	0.5	0.6	0.05
E14	18.0	0.5	11.0	0.5	5.0	0.5	15.0	0.5	0.6	0.05
E17	18.0	0.5	12.0	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E29	18.0	0.5	13.5	0.5	7.5	0.5	15.0	0.5	0.8	0.05
E34	18.0	0.5	14.5	0.5	8.5	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05
F17	26.0	0.5	16.5	0.5	7.0	0.5	22.5	0.5	0.8	0.05
F20	26.0	0.5	17.0	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26.0	0.5	19.0	0.5	10.0	0.5	22.5	0.5	0.8	0.05
F26	26.0	0.5	20.0	0.5	11.0	0.5	22.5	0.5	0.8	0.05
F27	26.0	0.5	22.0	0.5	12.0	0.5	22.5	0.5	0.8	0.05
G15	32.0	0.8	18.0	0.8	9.0	0.8	27.5	0.5	0.8	0.05
G18	32.0	0.8	20.0	0.8	11.0	0.8	27.5	0.5	0.8	0.05
G21	32.0	0.8	22.0	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G30	32.0	0.8	25.0	0.8	16.0	0.8	27.5	0.5	0.8	0.05
G31	32.0	0.8	28.0	0.8	16.0	0.8	27.5	0.5	0.8	0.05
G33	32.0	0.8	28.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G34	32.0	0.8	33.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
100	50	0.1	10.0	9.0	4.0	7.5	3.5	35	0.5	FGG1KK104B112BL5
100	50	0.1	13.0	9.0	4.0	10.0	3.0	30	0.6	FGG1KK104C112CL5
100	50	0.12	10.0	9.0	4.0	7.5	4.2	35	0.5	FGG1KK124B112BL5
100	50	0.12	13.0	9.0	4.0	10.0	3.6	30	0.6	FGG1KK124C112CL5
100	50	0.15	10.0	9.0	4.0	7.5	5.3	35	0.5	FGG1KK154B112BL5
100	50	0.15	13.0	9.0	4.0	10.0	4.5	30	0.6	FGG1KK154C112CL5
100	50	0.18	10.0	9.0	4.0	7.5	6.3	35	0.5	FGG1KK184B112BL5
100	50	0.18	13.0	9.0	4.0	10.0	5.4	30	0.6	FGG1KK184C112CL5
100	50	0.22	10.0	9.0	4.0	7.5	7.7	35	0.5	FGG1KK224B112BL5
100	50	0.22	13.0	9.0	4.0	10.0	6.6	30	0.6	FGG1KK224C112CL5
100	50	0.33	10.0	9.0	4.0	7.5	11.6	35	0.5	FGG1KK334B112BL5
100	50	0.33	13.0	9.0	4.0	10.0	9.9	30	0.6	FGG1KK334C112CL5
100	50	0.47	10.0	9.0	4.0	7.5	16.5	35	0.5	FGG1KK474B112BL5
100	50	0.47	13.0	9.0	4.0	10.0	14.1	30	0.6	FGG1KK474C112CL5
100	50	0.56	10.0	11.0	5.0	7.5	19.6	35	0.5	FGG1KK564B152BL5
100	50	0.56	13.0	9.0	4.0	10.0	16.8	30	0.6	FGG1KK564C112CL5
100	50	0.68	10.0	11.0	5.0	7.5	23.8	35	0.5	FGG1KK684B152BL5
100	50	0.68	13.0	9.0	4.0	10.0	20.4	30	0.6	FGG1KK684C112CL5
100	50	0.82	10.0	12.0	6.0	7.5	28.7	35	0.5	FGG1KK824B162BL5
100	50	0.82	13.0	11.0	5.0	10.0	24.6	30	0.6	FGG1KK824C132CL5
100	50	1.0	10.0	12.0	6.0	7.5	35.0	35	0.5	FGG1KK105B162BL5
100	50	1.0	13.0	11.0	5.0	10.0	30.0	30	0.6	FGG1KK105C132CL5
100	50	1.2	13.0	12.0	6.0	10.0	36.0	30	0.6	FGG1KK125C162CL5
100	50	1.5	13.0	12.0	6.0	10.0	45.0	30	0.6	FGG1KK155C162CL5
100	50	1.8	13.0	13.0	7.0	10.0	54.0	30	0.6	FGG1KK185C242CL5
100	50	2.2	18.0	12.0	6.0	15.0	44.0	20	0.6	FGG1KK225E172EL5
100	50	3.3	18.0	13.5	7.5	15.0	66.0	20	0.8	FGG1KK335E292EL5
100	50	4.7	18.0	14.5	8.5	15.0	94.0	20	0.8	FGG1KK475E342EL5
100	50	4.7	26.0	16.5	7.0	22.5	47.0	10	0.8	FGG1KK475F172FL5
100	50	6.8	26.0	19.0	10.0	22.5	68.0	10	0.8	FGG1KK685F242FL5
100	50	8.2	26.0	20.0	11.0	22.5	82.0	10	0.8	FGG1KK825F262FL5
100	50	10	26.0	22.0	12.0	22.5	100.0	10	0.8	FGG1KK106F272FL5
100	50	10	32.0	20.0	11.0	27.5	50.0	5	0.8	FGG1KK106G182GL5
100	50	12	32.0	20.0	11.0	27.5	60.0	5	0.8	FGG1KK126G182GL5
100	50	15	32.0	22.0	13.0	27.5	75.0	5	0.8	FGG1KK156G212GL5
100	50	22	32.0	25.0	16.0	27.5	110.0	5	0.8	FGG1KK226G302GL5
100	50	30	32.0	28.0	18.0	27.5	150.0	5	0.8	FGG1KK306G332GL5
250	160	0.033	10.0	9.0	4.0	7.5	3.6	110	0.5	FGG2EK333B112BL5
250	160	0.033	13.0	9.0	4.0	10.0	2.6	80	0.6	FGG2EK333C112CL5
250	160	0.047	10.0	9.0	4.0	7.5	5.2	110	0.5	FGG2EK473B112BL5
250	160	0.047	13.0	9.0	4.0	10.0	3.8	80	0.6	FGG2EK473C112CL5
250	160	0.056	10.0	9.0	4.0	7.5	6.2	110	0.5	FGG2EK563B112BL5
250	160	0.056	13.0	9.0	4.0	10.0	4.5	80	0.6	FGG2EK563C112CL5
250	160	0.068	10.0	9.0	4.0	7.5	7.5	110	0.5	FGG2EK683B112BL5
250	160	0.068	13.0	9.0	4.0	10.0	5.4	80	0.6	FGG2EK683C112CL5
250	160	0.082	10.0	9.0	4.0	7.5	9.0	110	0.5	FGG2EK823B112BL5
250	160	0.082	13.0	9.0	4.0	10.0	6.6	80	0.6	FGG2EK823C112CL5
250	160	0.1	10.0	9.0	4.0	7.5	11.0	110	0.5	FGG2EK104B112BL5

Rating and Part Number

Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
250	160	0.1	13.0	9.0	4.0	10.0	8.0	80	0.6	FGG2EK104C112CL5
250	160	0.12	10.0	9.0	4.0	7.5	13.2	110	0.5	FGG2EK124B112BL5
250	160	0.12	13.0	9.0	4.0	10.0	9.6	80	0.6	FGG2EK124C112CL5
250	160	0.15	10.0	9.0	4.0	7.5	16.5	110	0.5	FGG2EK154B112BL5
250	160	0.15	13.0	9.0	4.0	10.0	12.0	80	0.6	FGG2EK154C112CL5
250	160	0.18	10.0	11.0	5.0	7.5	19.8	110	0.5	FGG2EK184B152BL5
250	160	0.18	13.0	11.0	5.0	10.0	14.4	80	0.6	FGG2EK184C132CL5
250	160	0.22	10.0	11.0	5.0	7.5	24.2	110	0.5	FGG2EK224B152BL5
250	160	0.22	13.0	11.0	5.0	10.0	17.6	80	0.6	FGG2EK224C132CL5
250	160	0.33	10.0	12.0	6.0	7.5	36.3	110	0.5	FGG2EK334B162BL5
250	160	0.33	13.0	11.0	5.0	10.0	26.4	80	0.6	FGG2EK334C132CL5
250	160	0.39	13.0	12.0	6.0	10.0	31.2	80	0.6	FGG2EK394C162CL5
250	160	0.47	13.0	12.0	6.0	10.0	37.6	80	0.6	FGG2EK474C162CL5
250	160	0.47	18.0	11.0	5.0	15.0	21.2	45	0.6	FGG2EK474E142EL5
250	160	0.68	18.0	12.0	6.0	15.0	30.6	45	0.6	FGG2EK684E172EL5
250	160	1.0	18.0	13.5	7.5	15.0	45.0	45	0.8	FGG2EK105E292EL5
250	160	1.2	18.0	13.5	7.5	15.0	54.0	45	0.8	FGG2EK125E292EL5
250	160	1.5	18.0	14.5	8.5	15.0	67.5	45	0.8	FGG2EK155E342EL5
250	160	1.5	26.0	16.5	7.0	22.5	30.0	20	0.8	FGG2EK155F172FL5
250	160	1.8	26.0	16.5	7.0	22.5	36.0	20	0.8	FGG2EK185F172FL5
250	160	2.2	26.0	17.0	8.5	22.5	44.0	20	0.8	FGG2EK225F202FL5
250	160	3.3	26.0	20.0	11.0	22.5	66.0	20	0.8	FGG2EK335F262FL5
250	160	3.3	32.0	18.0	9.0	27.5	49.5	15	0.8	FGG2EK335G152GL5
250	160	4.7	32.0	20.0	11.0	27.5	70.5	15	0.8	FGG2EK475G182GL5
250	160	6.8	32.0	22.0	13.0	27.5	102.0	15	0.8	FGG2EK685G212GL5
250	160	10	32.0	25.0	16.0	27.5	150.0	15	0.8	FGG2EK106G302GL5
400	220	0.01	10.0	9.0	4.0	7.5	1.8	180	0.5	FGG2GK103B112BL5
400	220	0.01	13.0	9.0	4.0	10.0	1.5	150	0.6	FGG2GK103C112CL5
400	220	0.015	10.0	9.0	4.0	7.5	2.7	180	0.5	FGG2GK153B112BL5
400	220	0.015	13.0	9.0	4.0	10.0	2.3	150	0.6	FGG2GK153C112CL5
400	220	0.022	10.0	9.0	4.0	7.5	4.0	180	0.5	FGG2GK223B112BL5
400	220	0.022	13.0	9.0	4.0	10.0	3.3	150	0.6	FGG2GK223C112CL5
400	220	0.033	10.0	9.0	4.0	7.5	5.9	180	0.5	FGG2GK333B112BL5
400	220	0.033	13.0	9.0	4.0	10.0	5.0	150	0.6	FGG2GK333C112CL5
400	220	0.047	10.0	9.0	4.0	7.5	8.5	180	0.5	FGG2GK473B112BL5
400	220	0.047	13.0	9.0	4.0	10.0	7.1	150	0.6	FGG2GK473C112CL5
400	220	0.056	10.0	11.0	5.0	7.5	10.1	180	0.5	FGG2GK563B152BL5
400	220	0.056	13.0	9.0	4.0	10.0	8.4	150	0.6	FGG2GK563C112CL5
400	220	0.068	10.0	11.0	5.0	7.5	12.2	180	0.5	FGG2GK683B152BL5
400	220	0.068	13.0	11.0	5.0	10.0	10.2	150	0.6	FGG2GK683C132CL5
400	220	0.082	10.0	12.0	6.0	7.5	14.8	180	0.5	FGG2GK823B162BL5
400	220	0.082	13.0	11.0	5.0	10.0	12.3	150	0.6	FGG2GK823C132CL5
400	220	0.1	10.0	12.0	6.0	7.5	18.0	180	0.5	FGG2GK104B162BL5
400	220	0.1	13.0	11.0	5.0	10.0	15.0	150	0.6	FGG2GK104C132CL5
400	220	0.12	13.0	12.0	6.0	10.0	18.0	150	0.6	FGG2GK124C162CL5
400	220	0.15	13.0	12.0	6.0	10.0	22.5	150	0.6	FGG2GK154C162CL5
400	220	0.15	18.0	11.0	5.0	15.0	9.8	65	0.6	FGG2GK154E142EL5
400	220	0.18	18.0	12.0	6.0	15.0	11.7	65	0.6	FGG2GK184E172EL5

Rating and Part Number

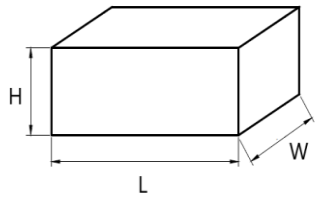
Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
400	220	0.22	18.0	12.0	6.0	15.0	14.3	65	0.6	FGG2GK224E172EL5
400	220	0.33	18.0	13.5	7.5	15.0	21.5	65	0.8	FGG2GK334E292EL5
400	220	0.47	18.0	14.5	8.5	15.0	30.6	65	0.8	FGG2GK474E342EL5
400	220	0.56	18.0	16.0	10.0	15.0	36.4	65	0.8	FGG2GK564E432EL5
400	220	0.68	18.0	19.0	11.0	15.0	44.2	65	0.8	FGG2GK684E472EL5
400	220	0.68	26.0	16.5	7.0	22.5	20.4	30	0.8	FGG2GK684F172FL5
400	220	0.82	26.0	17.0	8.5	22.5	24.6	30	0.8	FGG2GK824F202FL5
400	220	1.0	26.0	19.0	10.0	22.5	30.0	30	0.8	FGG2GK105F242FL5
400	220	1.5	26.0	22.0	12.0	22.5	45.0	30	0.8	FGG2GK155F272FL5
400	220	1.5	32.0	20.0	11.0	27.5	37.5	25	0.8	FGG2GK155G182GL5
400	220	1.8	32.0	20.0	11.0	27.5	45.0	25	0.8	FGG2GK155G182GL5
400	220	2.2	32.0	22.0	13.0	27.5	55.0	25	0.8	FGG2GK225G212GL5
400	220	3.3	32.0	25.0	16.0	27.5	82.5	25	0.8	FGG2GK335G302GL5
400	220	4.7	32.0	28.0	16.0	27.5	117.5	25	0.8	FGG2GK475G312GL5
400	220	6.8	32.0	33.0	18.0	27.5	170.0	25	0.8	FGG2GK685G342GL5
630	250	0.001	10.0	9.0	4.0	7.5	0.3	250	0.5	FGG2LK102B112BL5
630	250	0.001	13.0	9.0	4.0	10.0	0.2	200	0.6	FGG2LK102C112CL5
630	250	0.0015	10.0	9.0	4.0	7.5	0.4	250	0.5	FGG2LK152B112BL5
630	250	0.0015	13.0	9.0	4.0	10.0	0.3	200	0.6	FGG2LK152C112CL5
630	250	0.0022	10.0	9.0	4.0	7.5	0.6	250	0.5	FGG2LK222B112BL5
630	250	0.0022	13.0	9.0	4.0	10.0	0.4	200	0.6	FGG2LK222C112CL5
630	250	0.0033	10.0	9.0	4.0	7.5	0.8	250	0.5	FGG2LK332B112BL5
630	250	0.0033	13.0	9.0	4.0	10.0	0.7	200	0.6	FGG2LK332C112CL5
630	250	0.0047	10.0	9.0	4.0	7.5	1.2	250	0.5	FGG2LK472B112BL5
630	250	0.0047	13.0	9.0	4.0	10.0	0.9	200	0.6	FGG2LK472C112CL5
630	250	0.0068	10.0	9.0	4.0	7.5	1.7	250	0.5	FGG2LK682B112BL5
630	250	0.0068	13.0	9.0	4.0	10.0	1.4	200	0.6	FGG2LK682C112CL5
630	250	0.0082	10.0	9.0	4.0	7.5	2.1	250	0.5	FGG2LK822B112BL5
630	250	0.0082	13.0	9.0	4.0	10.0	1.6	200	0.6	FGG2LK822C112CL5
630	250	0.01	10.0	9.0	4.0	7.5	2.5	250	0.5	FGG2LK103B112BL5
630	250	0.01	13.0	9.0	4.0	10.0	2.0	200	0.6	FGG2LK103C112CL5
630	250	0.015	10.0	9.0	4.0	7.5	3.8	250	0.5	FGG2LK153B112BL5
630	250	0.015	13.0	9.0	4.0	10.0	3.0	200	0.6	FGG2LK153C112CL5
630	250	0.022	10.0	11.0	5.0	7.5	5.5	250	0.5	FGG2LK223B152BL5
630	250	0.022	13.0	9.0	4.0	10.0	4.4	200	0.6	FGG2LK223C112CL5
630	250	0.033	10.0	12.0	6.0	7.5	8.3	250	0.5	FGG2LK333B162BL5
630	250	0.033	13.0	11.0	5.0	10.0	6.6	200	0.6	FGG2LK333C132CL5
630	250	0.039	10.0	12.0	6.0	7.5	9.8	250	0.5	FGG2LK393B162BL5
630	250	0.039	13.0	11.0	5.0	10.0	7.8	200	0.6	FGG2LK393C132CL5
630	250	0.047	10.0	12.0	6.0	7.5	11.8	250	0.5	FGG2LK473B162BL5
630	250	0.047	13.0	11.0	5.0	10.0	9.4	200	0.6	FGG2LK473C132CL5
630	250	0.068	13.0	12.0	6.0	10.0	13.6	200	0.6	FGG2LK683C162CL5
630	250	0.082	18.0	11.0	5.0	15.0	7.4	90	0.6	FGG2LK823E142EL5
630	250	0.1	18.0	12.0	6.0	15.0	9.0	90	0.6	FGG2LK104E172EL5
630	250	0.15	18.0	13.5	7.5	15.0	13.5	90	0.8	FGG2LK154E292EL5
630	250	0.18	18.0	14.5	8.5	15.0	16.2	90	0.8	FGG2LK184E342EL5
630	250	0.22	18.0	16.0	10.0	15.0	19.8	90	0.8	FGG2LK224E432EL5
630	250	0.33	18.0	19.0	11.0	15.0	29.7	90	0.8	FGG2LK334E472EL5

Rating and Part Number

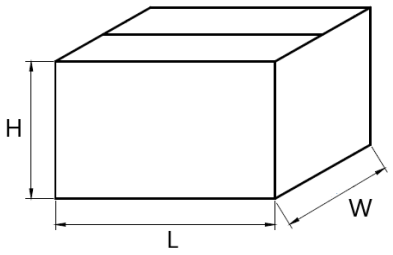
Vdc	Vac	Cap Value	Dimensions				Peak Current	dv/dt	Lead Wire	Part Number
			W	H	T	P				
		μF	mm	mm	mm	mm	A	V/us	mm	
630	250	0.47	26.0	17.0	8.5	22.5	16.5	35	0.8	FGG2LK474F202FL5
630	250	0.56	26.0	19.0	10.0	22.5	19.6	35	0.8	FGG2LK564F242FL5
630	250	0.68	26.0	22.0	12.0	22.5	23.8	35	0.8	FGG2LK684F272FL5
630	250	0.82	32.0	20.0	11.0	27.5	28.7	35	0.8	FGG2LK824G182FL5
630	250	1.0	32.0	22.0	13.0	27.5	35.0	35	0.8	FGG2LK105G212FL5

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	35
# 2	331	331	60
# 3	331	331	80
# 4	350	170	35
# 5	350	170	60
# 6	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

Pitch	Size Code	Dimension			Packaging Quantity		
		W	H	T	Long Leads	Short Leads	Ammo Pack
7.5	B11	10	9	4	1,600	2,387	1,920
	B15	10	11	5	1,600	1,922	1,550
	B16	10	12	6	1,600	1,581	1,270
10	C11	13	9	4	1,200	1,848	840
	C13	13	11	5	1,200	1,488	680
	C16	13	12	6	1,200	1,224	560
	C24	13	13	7	1,200	1,056	480
15	E14	18	11	5	800	1,054	680
	E17	18	12	6	800	867	560
	E29	18	13.5	7.5	800	697	450
	E34	18	14.5	8.5	600	612	390
	E43	18	16	10	600	527	340
	E47	18	19	11	600	476	300
22.5	F17	26	16.5	7		528	300
	F20	26	17	8.5		432	250
	F24	26	19	10		372	210
	F26	26	20	11		336	190
	F27	26	22	12		300	170
27.5	G15	32	18	9		340	230
	G18	32	20	11		280	190
	G21	32	22	13		230	160
	G30	32	25	16		190	130
	G31	32	28	16		190	130
	G33	32	28	18		170	110
	G34	32	33	18		170	110

Overview
The FAE series capacitors are designed for motor run system, consist of metallized polypropylene film, enclosed in cylindrical Al case filled with castor oil, fast-on terminals.

Applications
Widely used in home appliance in the following applications, refrigerators, freezers, electrical compressors, washers and air conditioners.

Features
- Self-healing property
- Overpressure disconnector device
- 10K AFC protected
- Fast-on terminals 6.3*0.8mm
- High reliability
- Motor run capacitor

Applicable Standard

Approval	Specification	File Number
c UL us	Components	E500536

General Technical Data

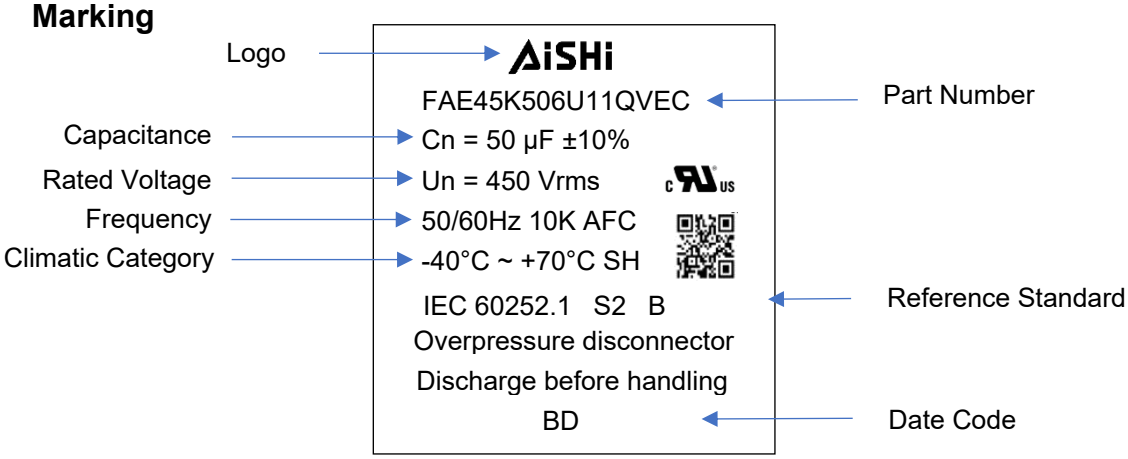
Dielectric	Metallized Polypropylene Film
Voltage Range	230Vac ~ 450Vac
Capacitance Range	2.0μF ~ 100μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +85°C
Climatic Category	40/85/56 IEC60068-1
Dissipation Factor	≤0.0010 at 100Hz
Insulation Resistance	IR x C ≥3,000s at 100VDC 1minute at +25°C

Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Marking



Part Number System

F	AE	45	K	506	U11	QVE	C
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Bottom Stud Code
F = Film	AC Motor Run type, Metallized PP Film	450=45	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Bottom Stud Code Table

Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Terminal Space)		Digit Three (Terminal Size)	
Fast On	P	16mm	T	Fast On 2+2	E
Fast On + Stud	Q	18mm	U	Fast On 4+4	F
		20mm	V		

Bottom Stud Code

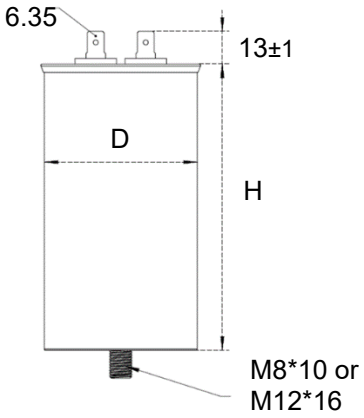
Bottom Stud	
Bottom M8*10	C
Bottom M12*16	D
No Bottom Stud	E

Size Code Table

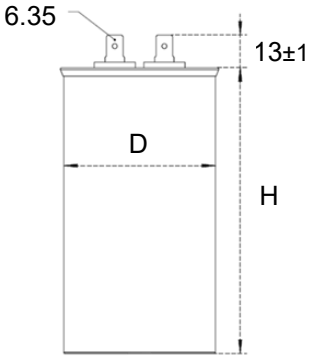
Digit One Case Diameter: D ± 1.0		Digit Two and Three Case Height: L ± 1.0	
40.0mm	T	55mm	55
45.0mm	Z	65mm	65
50.0mm	U	75mm	75
55.0mm	V	85mm	85
60.0mm	W	100mm	10
63.5mm	1	110mm	11
		125mm	12
		148mm	15

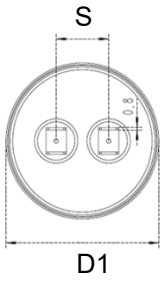
Dimension (mm)

Fast-on terminals with bottom stud



Fast-on terminals without bottom stud





Rating and Part Number

Vac	Cap Value µF	D±1 mm	D1 ±1 mm	H ±2 mm	S±1 mm	Part Number
450	2.0	40.0	43.0	55.0	16.0	FAE45K205T55QTEC
450	3.0	40.0	43.0	55.0	16.0	FAE45K305T55QTEC
450	4.0	40.0	43.0	55.0	16.0	FAE45K405T55QTEC
450	5.0	40.0	43.0	55.0	16.0	FAE45K505T55QTEC
450	7.5	40.0	43.0	65.0	16.0	FAE45K755T65QTEC
450	10.0	40.0	43.0	65.0	16.0	FAE45K106T65QTEC
450	12.5	40.0	43.0	75.0	16.0	FAE45K136T75QTEC
450	15.0	40.0	43.0	75.0	16.0	FAE45K156T75QTEC
450	17.5	40.0	43.0	75.0	16.0	FAE45K186T75QTEC
450	20.0	50.0	53.0	65.0	20.0	FAE45K206U65QVEC
450	25.0	50.0	53.0	75.0	20.0	FAE45K256U75QVEC
450	30.0	50.0	53.0	85.0	20.0	FAE45K306U85QVEC
450	35.0	50.0	53.0	85.0	20.0	FAE45K356U85QVEC
450	40.0	50.0	53.0	100.0	20.0	FAE45K406U10QVEC
450	45.0	50.0	53.0	110.0	20.0	FAE45K456U11QVEC
450	50.0	50.0	53.0	110.0	20.0	FAE45K506U11QVEC
450	55.0	50.0	53.0	125.0	20.0	FAE45K556U12QVEC
450	60.0	50.0	53.0	125.0	20.0	FAE45K606U12QVEC
450	65.0	55.0	58.0	110.0	20.0	FAE45K656V11QVEC
450	70.0	55.0	58.0	125.0	20.0	FAE45K706V12QVEC
450	80.0	60.0	63.0	125.0	20.0	FAE45K806W12QVEC
450	100.0	63.5	66.5	125.0	20.0	FAE45K107112QVEC

Packaging Information

Capacitors are well protected by foams. And then are packaged in the cartons.

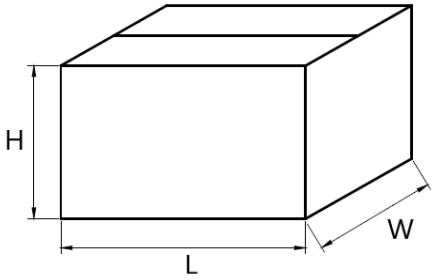


Table 1 carton dimensions

Carton No.	L (mm)	W (mm)	H (mm)
1	375	285	235
2	375	285	300
3	375	285	330
4	375	285	365
5	375	285	265

According to the capacitor's diameter, every carton contains capacitors as per the following Table 2.

Table 2 Capacitor quantity of each carton

Capacitor Diameter (mm)	Quantity (pcs)
40	40
45	40
50	30
55	30
60	24
63.5	24

Overview
The FAF series capacitors are designed for motor run system, consist of metallized polypropylene film, enclosed in cylindrical Al case filled with oil, fast-on terminals

Applications
Widely used in home appliance in the following applications, refrigerators, freezers, electrical compressors, washers and air conditioners.

Features
- Self-healing property
- Overpressure disconnector device
- 10K AFC protected
- Fast-on terminals 6.3*0.8mm
- High reliability
- Motor run capacitor

Applicable Standard

Approval	Specification	File Number
c UL us	Components	E500536

General Technical Data

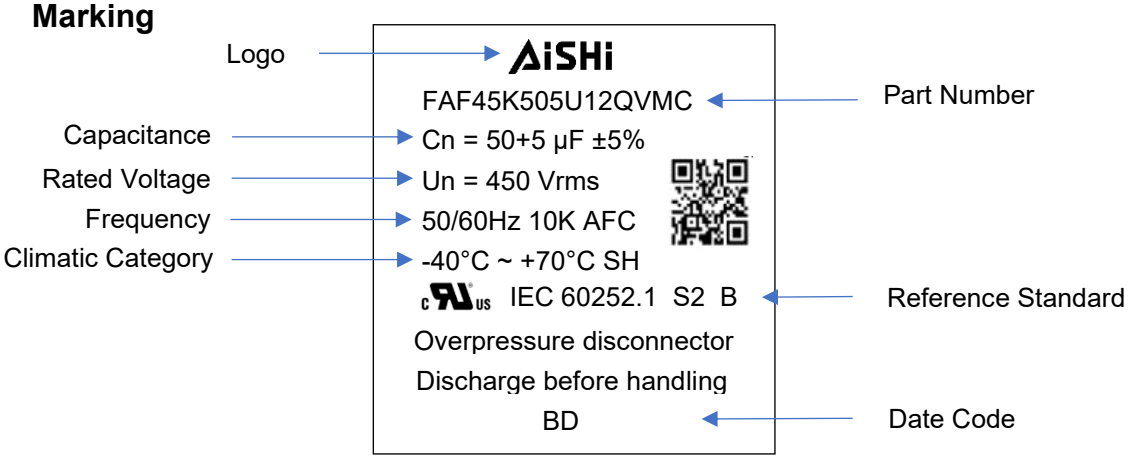
Dielectric	Metallized Polypropylene Film
Voltage Range	230Vac ~ 450Vac 50/60Hz
Capacitance Range	15+1.5μF~80+15μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +85°C
Climatic Category	40/85/56 IEC60068-1
Dissipation Factor	≤0.0010 at 100Hz
Insulation Resistance	IR x C ≥3,000s at 100VDC 1minute at +25°C

Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Marking



Part Number System

F	AE	50	J	906	115	PVE	E
Capacitor Type	Series	Voltage (VAC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Bottom Stud Code
F = Film	AC Motor Run type, Metallized PP Film	450=45	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Bottom Stud Code Table

Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Terminal Space)		Digit Three (Terminal Size)	
Fast On	P	16mm	T	Fast On 2+2	E
Fast On + Stud	Q	18mm	U	Fast On 4+4	F
		20mm	V	Fast On 2+2+2	M
				Fast On 2+3+4	N

Bushing Code

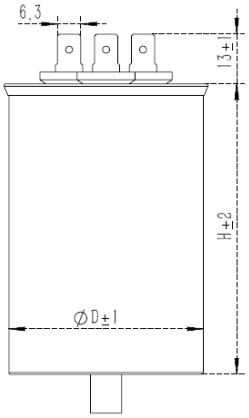
Bottom Stud	
Bottom M8*10	C
Bottom M12*16	D
No Bottom Stud	E

Size Code Table

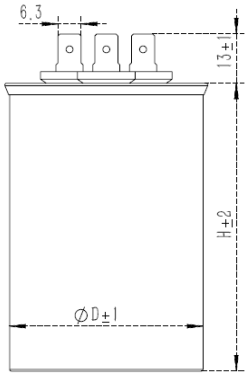
Digit One Case Diameter: D ± 1.0		Digit Two and Three Case Height: L ± 1.0	
50.0mm	U	75mm	75
55.0mm	V	85mm	85
60.0mm	W	95mm	95
		105mm	10
		120mm	12
		125mm	12
		135mm	13
		148mm	15

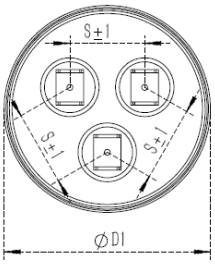
Dimension (mm)

Fast-on terminals with bottom stud



Fast-on terminals without bottom stud





Rating and Part Number

Vac	Cap Value µF	D±1 mm	D1 ±1 mm	H ±2 mm	S±1 mm	Part Number
450	15+1.5	50.0	53.0	75.0	20.0	FAF45K151U75QVMC
450	20+1.5	50.0	53.0	85.0	20.0	FAF45K201U85QVMC
450	25+3	50.0	53.0	85.0	20.0	FAF45K253U85QVMC
450	30+5	50.0	53.0	95.0	20.0	FAF45K305U95QVMC
450	35+5	50.0	53.0	105.0	20.0	FAF45K355U10QVMC
450	40+5	50.0	53.0	120.0	20.0	FAF45K405U12QVMC
450	45+5	50.0	53.0	120.0	20.0	FAF45K455U12QVMC
450	45+7.5	50.0	53.0	125.0	20.0	FAF45K458U12QVMC
450	50+5	50.0	53.0	125.0	20.0	FAF45K505U12QVMC
450	50+7.5	50.0	53.0	125.0	20.0	FAF45K508U12QVMC
450	55+7.5	55.0	58.0	125.0	20.0	FAF45K558V12QVMC
450	60+7.5	55.0	58.0	125.0	20.0	FAF45K608V12QVMC
450	65+7.5	60.0	63.0	120.0	20.0	FAF45K658W12QVMC
450	70+7.5	60.0	63.0	125.0	20.0	FAF45K708W12QVMC
450	80+10	60.0	63.0	135.0	20.0	FAF45K80AW13QVMC

Packaging Information

Capacitors are well protected by foams. And then are packaged in the cartons.

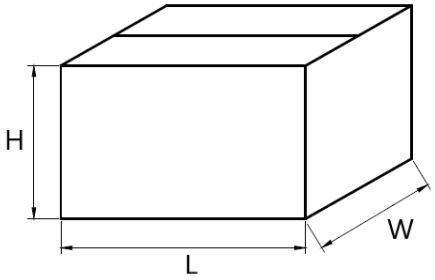


Table 1 carton dimensions

Carton No.	L (mm)	W (mm)	H (mm)
1	375	285	235
2	375	285	300
3	375	285	330
4	375	285	365
5	375	285	265

According to the capacitor's diameter, every carton contains capacitors as per the following Table 2.

Table 2 Capacitor quantity of each carton

Capacitor Diameter (mm)	Quantity (pcs)
40	40
50	30
55	30
60	24
63.5	24

Overview

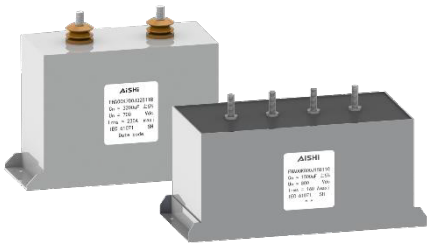
The FHA capacitor is constructed of metallized polypropylene film, sealed with epoxy in aluminum case or stainless-steel casing. These capacitors are suitable for high capacitance requirement of DC-Link circuits.

Applications

DC Link, DC Filtering circuit. Energy storage, High Voltage Direct Current (HVDC) transmission systems.

Features

- High capacitance density
- Self-healing technology
- High ripple current
- High performance and high reliability



Qualification

Reference Standard	IEC 61071
Climate Category	40/70/21 IEC 60068-1

General Technical Data

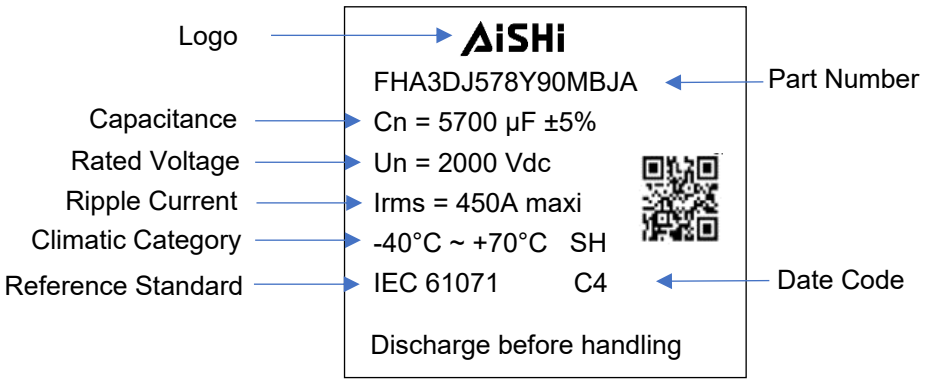
Dielectric	Metallized Polypropylene Film
Voltage Range	450Vdc ~ 3000Vdc
Capacitance Range	1000μF ~ 20,000μF
Capacitance Tolerance	±5% or ±10% at +25°C
Operating Temperature Range	-40°C ~ +70°C
Climatic Category	40/70/21 IEC 60068-1
Dissipation Factor	≤0.0030 (20°C，at 100Hz)
Insulation Resistance	IR x C ≥10,000s at 100Vdc, 1 minutest at 25°C

Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Marking



Part Number System

F	HA	3D	J	578	Y90	MBJ	A
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Case Code	Terminal Code	Bushing Code
F = Film	DC Link, Power Capacitor, Metallized PP Film	450=2W 1000=3K 1100=3M 1500=3U 2000=3D 2500=3E 3000=3F	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Customized Case Code Table	Refer to Terminal Code Table	Refer to Bushing Code Table

Customized Case Code Table

Drawing Code 1	Drawing Code 2	Drawing Code 3
A ~ Z	0 ~ 9	0 ~ 9

Terminal Code

Bushing Code

Digit One (Terminal Type)		Digit Two (Terminal Space)		Digit Three (Terminal Size)			Bushing Code	
Male Terminal	M	60mm	A	M5	5		Ø60*30 1 cycle	A
Female Terminal	F	80mm	B	M6	6		Ø60*40 3 cycle	B
		100mm	C	M8	8		Ø40*40 3 cycle	C
		120mm	D	M10	H			
				M12	J			
				M16	K			

Terminal Configuration

Fig. 1 – Capacitor with 2 terminals

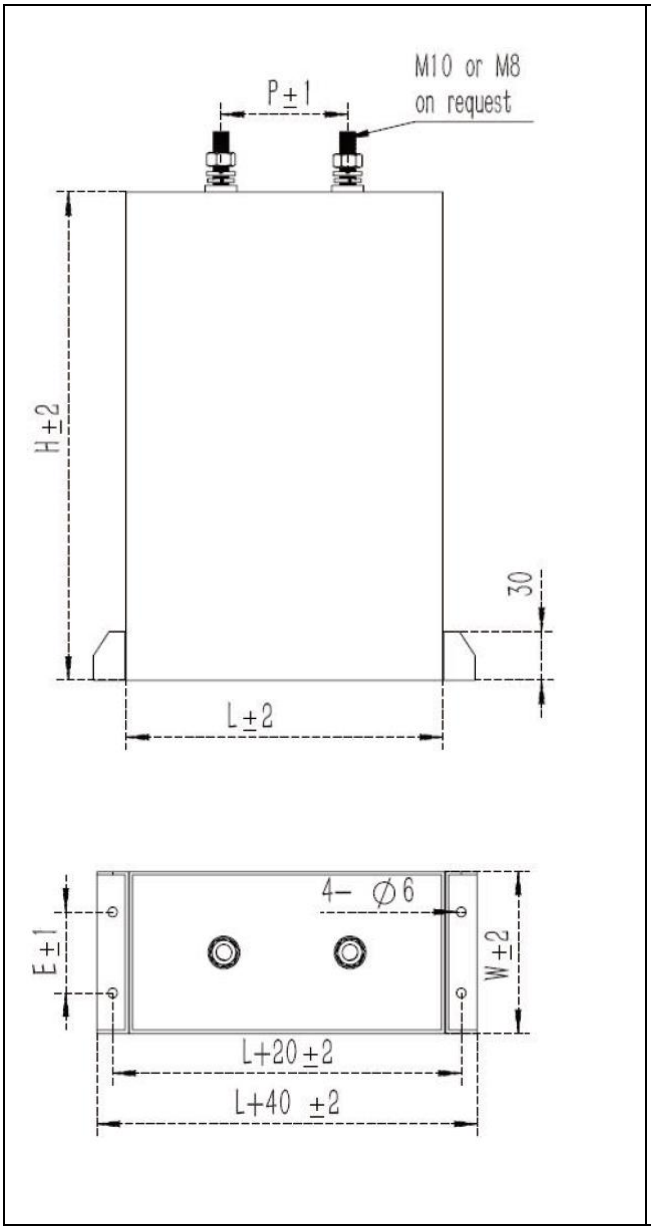
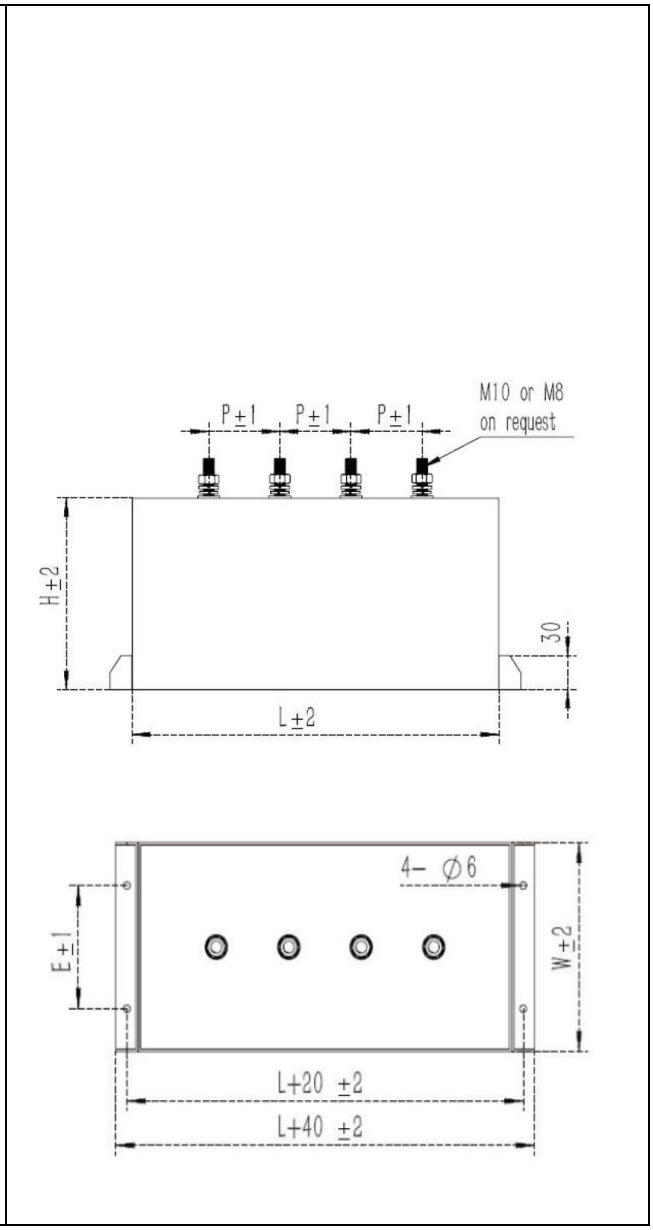


Fig. 2 – Capacitor with 4 terminals



Terminal Configuration

Fig. 3 – Capacitor with 6 terminals

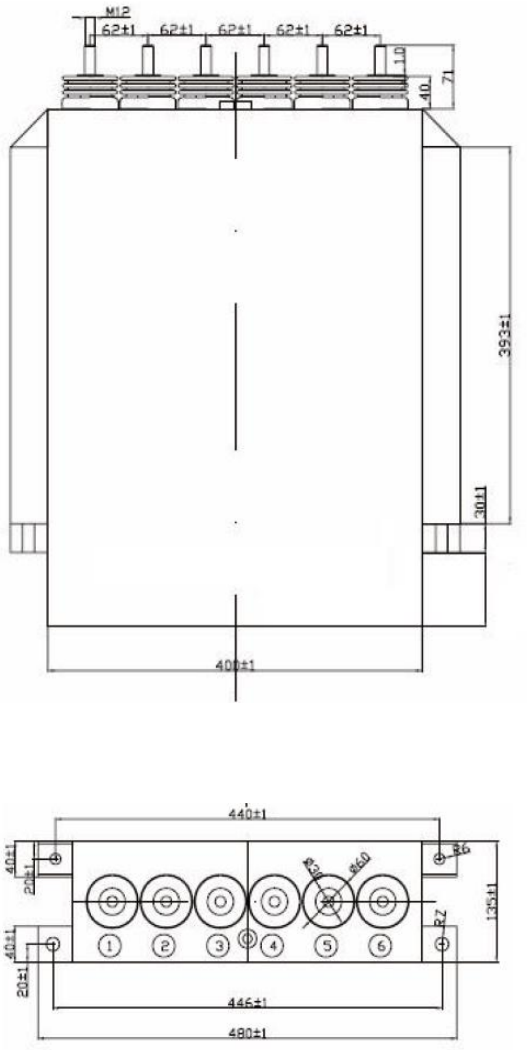
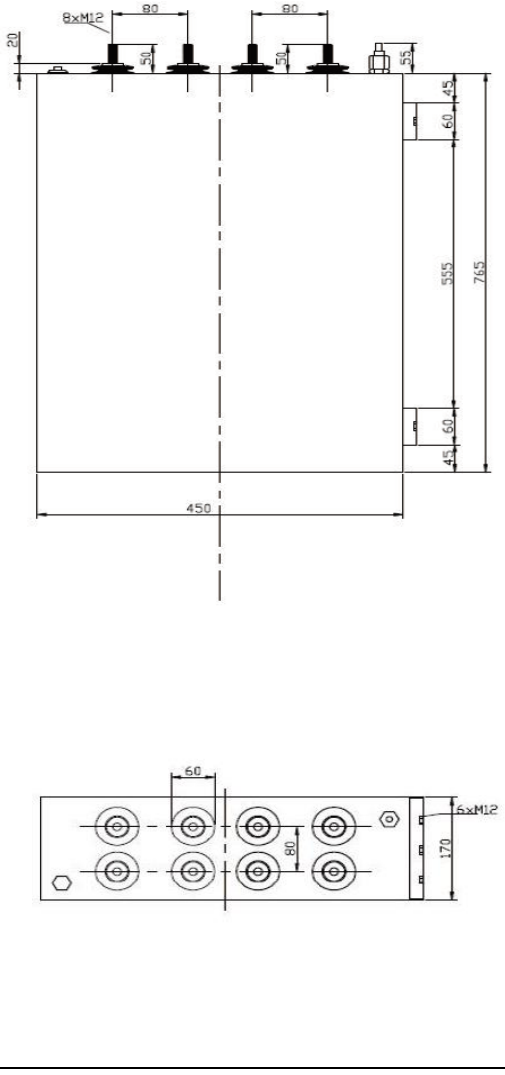


Fig. 4 – Capacitor with 8 terminals



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