

Product
Selection **LINEARIN**

Linearin Technology Corporation
Create a leading Chinese analog device through innovation

Contact us

О НАС

Linearin Technology Corporation была основана в феврале 2016 года и является мировым лидером в области разработки полупроводниковых микросхем. Linearin специализируется на высокопроизводительных аналоговых микросхемах и передовых сенсорных решениях.

Мы уделяем особое внимание независимым исследованиям, разработкам и непрерывным инновациям. Все продукты Linearin полностью защищены правами интеллектуальной собственности. Наши продукты используются во многих сегментах, включая бытовую технику, гаджеты, Интернет вещей, интеллектуальные датчики, медицину, новую энергетику, промышленное управление, электроинструменты, электровелосипеды.

Linear объединилась с Holyview в 2021 году, которая уже готовится выйти на IPO, эта значительно ускорит развитие компании и позволит ей стать компанией-единорогом на аналоговом рынке.

LINEARIN

Linear Integrated



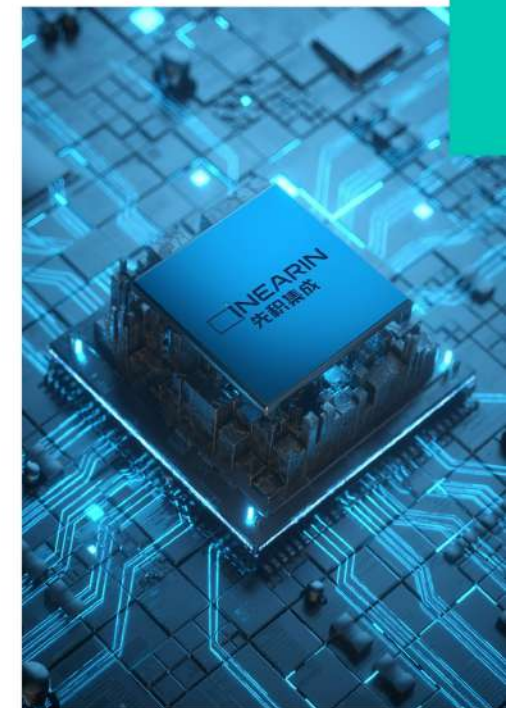
Почему “Linear” ?

Поскольку линейная технология часто используется при обработке аналоговых сигналов, «LINEAR» часто называют аналоговой продукцией в полупроводниковой промышленности. Слово «LINEAR» указывает на направление развития компании. «IN» - это аббревиатура от «интегрированный». С одной стороны, это определяет общее направление будущей технологической интеграции.



Что такое “Integrated” ?

Компания надеется создать портфель продуктов с уникальными преимуществами за счет использования различных аналоговых IP-устройств, предоставляя клиентам высокопроизводительные продукты и упрощая проектирование их систем.



Кроме агрегирования продуктов, компания также надеется сохранить простой и открытый подход к агрегированию талантов в отрасли и создать среду для устойчивого развития. В этом и заключается значение аббревиатуры “IN”.

Zero-Drift Current Sense Op-Amps

◆ High Integrated

higher precision, harder noise production

◆ Different Gain

convenient design, compatible different gain pins, no revise needed.

◆ High Vcm

supports a higher common-mode input range, can be used in a variety of different high-side and low-side current detection

◆ Small Footprint

reduces the area of the circuit board with a space-saving miniaturized package size

Part No.	Output type	VDD	VCM	Gain	CMRR	Vos Max.	Temperature Drift Max.	Gain error Max.	IQ	Packages	Status
LTA199G1	voltage	2.7~30 V	-0.3~30 V	50 V/V	105 dB	150 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SC70-6, TQFN10	Active
LTA199G2	voltage	2.7~30 V	-0.3~30 V	100 V/V	105 dB	150 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SC70-6, TQFN10	Pre-Release
LTA199G3	voltage	2.7~30 V	-0.3~30 V	200 V/V	105 dB	150 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SC70-6, TQFN10	Pre-Release
LT199G1	voltage	2.5~18 V	-0.3~26 V	50 V/V	105 dB	300 μ V	0.5 μ V/ $^{\circ}$ C	$\pm$ 0.5 %	70 μ A	SC70-6, TQFN10	Active
LT199G2	voltage	2.5~18 V	-0.3~26 V	100 V/V	110 dB	180 μ V	0.5 μ V/ $^{\circ}$ C	$\pm$ 0.5 %	70 μ A	SC70-6, TQFN10	Active
LT199G3	voltage	2.5~18 V	-0.3~26 V	200 V/V	110 dB	180 μ V	0.5 μ V/ $^{\circ}$ C	$\pm$ 0.5 %	70 μ A	SC70-6, TQFN10	Active
LT199G1A	voltage	2.5~18 V	-0.3~18 V	50 V/V	102 dB	300 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	70 μ A	SC70-6, TQFN10	Active
LT199G2A	voltage	2.5~18 V	-0.3~18 V	100 V/V	105 dB	300 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	70 μ A	SC70-6, TQFN10	Active
LT199G3A	voltage	2.5~18 V	-0.3~18 V	200 V/V	105 dB	300 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	70 μ A	SC70-6, TQFN10	Active
LTA180A1	voltage	2.7~5.5 V	-0.2~30 V	20 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SOT23-5	Active
LTA180A2	voltage	2.7~5.5 V	-0.2~30 V	50 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SOT23-5	Pre-Release
LTA180A3	voltage	2.7~5.5 V	-0.2~30 V	100 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SOT23-5	Pre-Release
LTA180A4	voltage	2.7~5.5 V	-0.2~30 V	200 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SOT23-5	Pre-Release
LTA180B1	voltage	2.7~5.5 V	-0.2~30 V	20 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SOT23-5	Pre-Release
LTA180B2	voltage	2.7~5.5 V	-0.2~30 V	50 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SOT23-5	Pre-Release
LTA180B3	voltage	2.7~5.5 V	-0.2~30 V	100 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SOT23-5	Pre-Release
LTA180B4	voltage	2.7~5.5 V	-0.2~30 V	200 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	180 μ A	SOT23-5	Pre-Release
LT180A1	voltage	2.7~5.5 V	-0.2~26 V	20 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT180A2	voltage	2.7~5.5 V	-0.2~26 V	50 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT180A3	voltage	2.7~5.5 V	-0.2~26 V	100 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT180A4	voltage	2.7~5.5 V	-0.2~26 V	200 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT180B1	voltage	2.7~5.5 V	-0.2~26 V	20 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT180B2	voltage	2.7~5.5 V	-0.2~26 V	50 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT180B3	voltage	2.7~5.5 V	-0.2~26 V	100 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT180B4	voltage	2.7~5.5 V	-0.2~26 V	200 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT181A1	voltage	2.7~5.5 V	-0.2~26 V	20 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Pre-Release
LT181A2	voltage	2.7~5.5 V	-0.2~26 V	50 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Active
LT181A3	voltage	2.7~5.5 V	-0.2~26 V	100 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Pre-Release
LT181A4	voltage	2.7~5.5 V	-0.2~26 V	200 V/V	100 dB	500 μ V	1 μ V/ $^{\circ}$ C	$\pm$ 1 %	80 μ A	SOT23-5	Pre-Release

Low Voltage Low Noise Op-Amps

Part No.	CH	VDD	VOS (TYP.)	Temperature Drift (TYP.)	CMRR	PSRR	GBW	IQ	ENOISE(1kHz)	VNOISE(0.1~10Hz)	SR	ts(to 0.1%)	Packages	Status
LTC8871	1	1.8~5.5 V	0.5 mV	±1μV/°C	96 dB	100 dB	20 MHz	1.1 mA	8 nV/√Hz	3 μVP-P	22 V/μs	0.25 μs	SOT23-5, SO8	Active
LTC8872	2	1.8~5.5 V	0.5 mV	±1μV/°C	96 dB	100 dB	20 MHz	2.2 mA	8 nV/√Hz	3 μVP-P	22 V/μs	0.25 μs	SO8, MSOP8	Active
LTC8874	4	1.8~5.5 V	0.5 mV	±1μV/°C	96 dB	100 dB	20 MHz	4.4 mA	8 nV/√Hz	3 μVP-P	22 V/μs	0.25 μs	SO-14, TSSOP-14	Active
LTC721	1	1.8~5.5 V	0.5 mV	±1μV/°C	84 dB	110 dB	11 MHz	780 μA	8 nV/√Hz	3.7 μVP-P	11.5 V/μs	0.26 μs	SOT23-5, SO8	Active
LTC723	1	1.8~5.5 V	0.5 mV	±1μV/°C	84 dB	110 dB	11 MHz	780 μA	8 nV/√Hz	3.7 μVP-P	11.5 V/μs	0.26 μs	SOT23-5, SC70-5	Active
LTC722	2	1.8~5.5 V	0.5 mV	±1μV/°C	84 dB	110 dB	11 MHz	1.56 mA	8 nV/√Hz	3.7 μVP-P	11.5 V/μs	0.26 μs	SO8, MSOP8, TSSOP8, DFN-8L	Active
LTC724	4	1.8~5.5 V	0.5 mV	±1μV/°C	84 dB	110 dB	11 MHz	3.12 mA	8 nV/√Hz	3.7 μVP-P	11.5 V/μs	0.26 μs	SO-14, TSSOP-14	Active
LTC8831	1	2.0~5.5 V	0.7 mV	±2μV/°C	82 dB	106 dB	9 MHz	700 μA	12 nV/√Hz	4 μVP-P	8.5 V/μs	0.3 μs	SOT23-5, SC70-5	Active
LTC8832	2	2.0~5.5 V	0.7 mV	±2μV/°C	82 dB	106 dB	9 MHz	1.4 mA	12 nV/√Hz	4 μVP-P	8.5 V/μs	0.3 μs	SO8, MSOP8, TSSOP8, DFN-8	Active
LTC8834	4	2.0~5.5 V	0.7 mV	±2μV/°C	82 dB	106 dB	9 MHz	2.8 mA	12 nV/√Hz	4 μVP-P	8.5 V/μs	0.3 μs	SO-14, TSSOP-14	Active
LTC8631	1	2.3~5.5 V	0.7 mV	±1μV/°C	85 dB	106 dB	7 MHz	700 μA	35 nV/√Hz	-	10 V/μs	-	SOT23-5	Active
LTC8632	2	2.3~5.5 V	0.7 mV	±1μV/°C	85 dB	106 dB	7 MHz	1.4 mA	35 nV/√Hz	-	10 V/μs	-	SO8, MSOP8, DFN-8	Active
LTC8634	4	2.3~5.5 V	0.7 mV	±1μV/°C	85 dB	106 dB	7 MHz	2.8 mA	35 nV/√Hz	-	10 V/μs	-	SO-14	Active

Low Voltage Low Power Op-Amps

Part No.	CH	VDD	IQ	GBW	Vos Max.	Temperature Drift Max.	VNOISE(0.1~10Hz)	ENOISE(1kHz)	SR	Packages	Status
LTC8811	1	1.7~5.5 V	600 nA	15 KHz	3.0 mV	3 nV/°C	6.3 μVP-P	177 nV/√Hz	6 V/ms	SOT23-5, SO8, MSOP8	Active
LTC8811A	1	1.7~5.5 V	600 nA	15 KHz	1.0 mV	3 nV/°C	6.3 μVP-P	177 nV/√Hz	6 V/ms	SOT23-5, SO8, MSOP8	Active
LTC8812	2	1.7~5.5 V	1.2 μA	15 KHz	3.0 mV	3 nV/°C	6.3 μVP-P	177 nV/√Hz	6 V/ms	SO8, DFN8, MSOP8	Active
LTC8814	4	1.7~5.5 V	1.8 μA	15 KHz	3.0 mV	3 nV/°C	6.3 μVP-P	177 nV/√Hz	6 V/ms	SO14, TSSOP14	Active
LTC8813	1	1.7~5.5 V	600 nA	15 KHz	3.0 mV	3 nV/°C	6.3 μVP-P	177 nV/√Hz	6 V/ms	SOT23-5, SC70-5	Active
LTC8821	1	1.8~5.5 V	6.6 μA	500 KHz	2.5 mV	3 μV/°C	6.0 μVP-P	63 nV/√Hz	0.25 V/μs	SOT23-5, SC70-5	Active
LTC8822	2	1.8~5.5 V	13.2 μA	500 KHz	2.5 mV	3 μV/°C	6.0 μVP-P	63 nV/√Hz	0.25 V/μs	SO8, MSOP8, DFN-8	Active
LTC8824	4	1.8~5.5 V	26.4 μA	500 KHz	2.5 mV	3 μV/°C	6.0 μVP-P	63 nV/√Hz	0.25 V/μs	SO-14, TSSOP-14	Active
LTC8823	1	1.8~5.5 V	6.6 μA	500 KHz	2.5 mV	3 μV/°C	6.0 μVP-P	63 nV/√Hz	0.25 V/μs	SOT23-5, SC70-5	Active
LTA6101	1	1.7~5.5 V	800 nA	8 kHz	±10 μV	-	3.9 μVP-P	215 nV/√Hz	3.3 V/ms	SC70-5, SOT23-5, SO8, MSOP8	Pre-release
LTA6102	2	1.7~5.5 V	800 nA	8 kHz	±10 μV	-	3.9 μVP-P	215 nV/√Hz	3.3 V/ms	MSOP8, SO8, TSSOP8	Pre-release
LTA6105	1	1.7~5.5 V	500 nA	5 kHz	±10 μV	-	3.9 μVP-P	215 nV/√Hz	3.3 V/ms	SC70-5, SOT23-5, SO8, MSOP8	Pre-release
LTA6106	2	1.7~5.5 V	500 nA	5 kHz	±10 μV	-	3.9 μVP-P	215 nV/√Hz	3.3 V/ms	MSOP8, SO8, TSSOP8	Pre-release
LTA6131	1	1.7~5.5 V	3 μA	30 kHz	±10 μV	-	3.9 μVP-P	215 nV/√Hz	3.3 V/ms	SC70-5, SOT23-5, SO8, MSOP8	Pre-release
LTA6132	2	1.7~5.5 V	3 μA	30 kHz	±10 μV	-	3.9 μVP-P	215 nV/√Hz	3.3 V/ms	MSOP8, SO8, TSSOP8	Pre-release

Low Voltage High Precision Op-Amps

Part No.	CH	VDD	VOS (TYP.)	Temperature Drift (TYP.)	CMRR	PSRR	GBW	IQ	ENOISE(1kHz)	VNOISE(0.1~10Hz)	SR	ts(to 0.1%)	Packages	Status
LTC8825	1	2.0~5.5 V	100 μ V	$\pm 0.8 \mu$ V/ $^{\circ}$ C	102 dB	115 dB	0.5 MHz	15 μ A	63 nV/ $\sqrt$ Hz	6 μ VP-P	0.25 V/ μ s	6 μ s	SOT23-5, SC70-5	Active
LTC8826	2	2.0~5.5 V	100 μ V	$\pm 0.8 \mu$ V/ $^{\circ}$ C	102 dB	115 dB	0.5 MHz	30 μ A	63 nV/ $\sqrt$ Hz	6 μ VP-P	0.25 V/ μ s	6 μ s	SO8, MSOP8, DFN8	Active
LTC8827	1	2.0~5.5 V	100 μ V	$\pm 0.8 \mu$ V/ $^{\circ}$ C	102 dB	115 dB	0.5 MHz	15 μ A	63 nV/ $\sqrt$ Hz	6 μ VP-P	0.25 V/ μ s	6 μ s	SOT23-5, SC70-5	Active
LTC8828	4	2.0~5.5 V	120 μ V	$\pm 0.8 \mu$ V/ $^{\circ}$ C	102 dB	115 dB	0.5 MHz	45 μ A	63 nV/ $\sqrt$ Hz	6 μ VP-P	0.25 V/ μ s	6 μ s	SO-14, TSSOP-14	Active
LTC8841	1	1.8~5.5 V	100 μ V	$\pm 0.8 \mu$ V/ $^{\circ}$ C	96 dB	112 dB	1.5 MHz	85 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	SOT23-5, SC70-5	Active
LTC8842	2	1.8~5.5 V	100 μ V	$\pm 0.8 \mu$ V/ $^{\circ}$ C	96 dB	112 dB	1.5 MHz	160 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	SO8, MSOP8, DFN-8L	Active
LTC8844	4	1.8~5.5 V	120 μ V	$\pm 0.8 \mu$ V/ $^{\circ}$ C	96 dB	112 dB	1.5 MHz	320 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	SO-14, TSSOP-14, QFN-16	Active
LTC8835	1	2.0~5.5 V	300 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	86 dB	108 dB	9 MHz	720 μ A	12 nV/ $\sqrt$ Hz	3.7 μ VP-P	9 V/ μ s	0.3 μ s	SOT23-5, SC70-5	Active
LTC8836	2	2.0~5.5 V	300 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	86 dB	108 dB	9 MHz	1.44 mA	12 nV/ $\sqrt$ Hz	3.7 μ VP-P	9 V/ μ s	0.3 μ s	SO8, MSOP8	Active
LTC8838	4	2.0~5.5 V	300 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	86 dB	108 dB	9 MHz	2.88 mA	12 nV/ $\sqrt$ Hz	3.7 μ VP-P	9 V/ μ s	0.3 μ s	SO-14, TSSOP-14	Active
LTC725	1	1.8~5.5 V	100 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	96 dB	110 dB	11 MHz	750 μ A	8 nV/ $\sqrt$ Hz	3 μ VP-P	11 V/ μ s	0.26 μ s	SOT23-5, SC70-5	Active
LTC726	2	1.8~5.5 V	100 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	96 dB	110 dB	11 MHz	1.5 mA	8 nV/ $\sqrt$ Hz	3 μ VP-P	11 V/ μ s	0.26 μ s	SO8, MSOP8, TSSOP8	Active
LTC727	1	1.8~5.5 V	100 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	96 dB	110 dB	11 MHz	750 μ A	8 nV/ $\sqrt$ Hz	3 μ VP-P	11 V/ μ s	0.26 μ s	SOT23-5, SC70-5	Active
LTC728	4	1.8~5.5 V	120 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	96 dB	110 dB	11 MHz	3.0 mA	8 nV/ $\sqrt$ Hz	3 μ VP-P	11 V/ μ s	0.26 μ s	SO-14, TSSOP-14	Active
LTC8875	1	2.0~5.5 V	100 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	96 dB	100 dB	20 MHz	1.1 mA	8 nV/ $\sqrt$ Hz	3 μ VP-P	22 V/ μ s	0.25 μ s	SOT23-5, SC70-5	Active
LTC8876	2	2.0~5.5 V	100 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	96 dB	100 dB	20 MHz	2.2 mA	8 nV/ $\sqrt$ Hz	3 μ VP-P	22 V/ μ s	0.25 μ s	SO8, MSOP8, TSSOP8	Active
LTC8878	4	2.0~5.5 V	100 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	96 dB	100 dB	20 MHz	4.4 mA	8 nV/ $\sqrt$ Hz	3 μ VP-P	22 V/ μ s	0.25 μ s	SO-14, TSSOP-14	Active
LTA6671	1	2.5~5.5 V	180 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	-	-	25 MHz	5 mA	-	-	22 V/ μ s	-	SOT23-5, SOT23-6, SO8, MSOP8	Pre-release
LTA6672	2	2.5~5.5 V	180 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	-	-	25 MHz	10 mA	-	-	22 V/ μ s	-	SO8, MSOP8, DFN-8L	Pre-release
LTA6674	4	2.5~5.5 V	200 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	-	-	25 MHz	20 mA	-	-	22 V/ μ s	-	SO-14, TSSOP-14	Pre-release
LTA6681	1	2.5~5.5 V	180 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	147 dB	103 dB	50 MHz	11 mA	8 nV/ $\sqrt$ Hz	-	37 V/ μ s	0.15 μ s	SOT23-5, SOT23-6, SO8, MSOP8	Pre-release
LTA6682	2	2.5~5.5 V	180 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	147 dB	103 dB	50 MHz	22 mA	8 nV/ $\sqrt$ Hz	-	37 V/ μ s	0.15 μ s	SO8, MSOP8, DFN-8L	Pre-release
LTA6684	4	2.5~5.5 V	200 μ V	$\pm 1 \mu$ V/ $^{\circ}$ C	147 dB	103 dB	50 MHz	44 mA	8 nV/ $\sqrt$ Hz	-	37 V/ μ s	0.15 μ s	SO-14, TSSOP-14	Pre-release

Low Voltage Zero-Drift Op-Amps

Part No.	CH	VDD	Vos Max.	Vos Tc	CMRR	PSRR	VNOISE(0.1~10Hz)	ts(to 0.1%)	t _{OR}	GBW	SR	IQ	Packages	Status
LTC8331	1	1.8~5.5 V	15 μ V	0.05 μ V/ $^{\circ}$ C	130 dB	126 dB	1.1 μ VP-P	6 μ s	55 μ s	350 kHz	0.22 V/ μ s	26 μ A	SOT23-5, SO8	Active
LTC8332	2	1.8~5.5 V	15 μ V	0.05 μ V/ $^{\circ}$ C	130 dB	126 dB	1.1 μ VP-P	6 μ s	55 μ s	350 kHz	0.22 V/ μ s	52 μ A	SO8, DFN8, MSOP8	Active
LTC8333	1	1.8~5.5 V	15 μ V	0.05 μ V/ $^{\circ}$ C	130 dB	126 dB	1.1 μ VP-P	6 μ s	55 μ s	350 kHz	0.22 V/ μ s	26 μ A	SOT23-5, SC70-5	Active
LTC8381	1	1.8~5.5 V	50 μ V	0.15 μ V/ $^{\circ}$ C	110 dB	112 dB	1.1 μ VP-P	6 μ s	55 μ s	350 kHz	0.2 V/ μ s	27 μ A	SOT23-5, SO8	Active
LTC8382	2	1.8~5.5 V	50 μ V	0.15 μ V/ $^{\circ}$ C	110 dB	112 dB	1.1 μ VP-P	6 μ s	55 μ s	350 kHz	0.2 V/ μ s	54 μ A	SO8, MSOP8	Active
LTC8391	1	1.8~5.5 V	120 μ V	0.5 μ V/ $^{\circ}$ C	110 dB	116 dB	2.0 μ VP-P	6 μ s	55 μ s	330 kHz	0.2 V/ μ s	28 μ A	SOT23-5, SO8	Active

Low Voltage Zero-Drift Op-Amps

Part No.	CH	VDD	Vos Max.	Vos Tc	CMRR	PSRR	VNOISE(0.1~10Hz)	ts(to 0.1%)	t _{OR}	GBW	SR	IQ	Packages	Status
LTC8392	2	1.8~5.5 V	120 μ V	0.5 μ V/ $^{\circ}$ C	110 dB	116 dB	2.0 μ VP-P	6 μ s	55 μ s	330 kHz	0.2 V/ μ s	56 μ A	SO8	Active
LTC8551	1	1.8~5.5 V	8 μ V	0.04 μ V/ $^{\circ}$ C	130 dB	126 dB	0.45 μ VP-P	1.2 μ s	35 μ s	1.5 MHz	1.2 V/ μ s	125 μ A	SOT23-5, SO8, MSOP8	Active
LTC8552	2	1.8~5.5 V	8 μ V	0.04 μ V/ $^{\circ}$ C	130 dB	126 dB	0.45 μ VP-P	1.2 μ s	35 μ s	1.5 MHz	1.2 V/ μ s	250 μ A	SO8, DFN8, MSOP8	Active
LTC8554	4	1.8~5.5 V	10 μ V	0.05 μ V/ $^{\circ}$ C	130 dB	126 dB	0.45 μ VP-P	1.2 μ s	35 μ s	1.5 MHz	1.2 V/ μ s	500 μ A	SO14, TSSOP14	Active
LTC8553	1	1.8~5.5 V	8 μ V	0.04 μ V/ $^{\circ}$ C	130 dB	126 dB	0.45 μ VP-P	1.2 μ s	35 μ s	1.5 MHz	1.2 V/ μ s	125 μ A	SOT23-5, SC70-5	Active
LTC8581	1	1.8~5.5 V	40 μ V	0.5 μ V/ $^{\circ}$ C	120 dB	120 dB	1.0 μ VP-P	1.2 μ s	35 μ s	2.0 MHz	1.3 V/ μ s	150 μ A	SOT23-5, SO8	Active
LTC8582	2	1.8~5.5 V	40 μ V	0.5 μ V/ $^{\circ}$ C	120 dB	120 dB	1.0 μ VP-P	1.2 μ s	35 μ s	2.0 MHz	1.3 V/ μ s	300 μ A	SO8, DFN8, MSOP8	Active
LTC8584	4	1.8~5.5 V	40 μ V	0.5 μ V/ $^{\circ}$ C	120 dB	120 dB	1.0 μ VP-P	1.2 μ s	35 μ s	2.0 MHz	1.3 V/ μ s	600 μ A	SO14, TSSOP14	Active
LTC8591	1	1.8~5.5 V	90 μ V	0.5 μ V/ $^{\circ}$ C	120 dB	120 dB	0.6 μ VP-P	1.2 μ s	35 μ s	1.2 MHz	1.0 V/ μ s	120 μ A	SOT23-5, SO8	Active
LTC8592	2	1.8~5.5 V	90 μ V	0.5 μ V/ $^{\circ}$ C	120 dB	120 dB	0.6 μ VP-P	1.2 μ s	35 μ s	1.2 MHz	1.0 V/ μ s	240 μ A	SO8, DFN8, MSOP8	Active
LTC8593	1	1.8~5.5 V	90 μ V	0.5 μ V/ $^{\circ}$ C	120 dB	120 dB	0.6 μ VP-P	1.2 μ s	35 μ s	1.2 MHz	1.0 V/ μ s	120 μ A	SOT23-5, SC70-5	Active
LTC8594	4	1.8~5.5 V	90 μ V	0.5 μ V/ $^{\circ}$ C	120 dB	120 dB	0.6 μ VP-P	1.2 μ s	35 μ s	1.2 MHz	1.2 V/ μ s	600 μ A	SO14, TSSOP14	Active

Low Voltage General Purpose Op-Amps

Part No.	CH	VDD	VDD Max.	GBW	IQ	ENOISE(1kHz)	VNOISE(0.1~10Hz)	SR	ts(to 0.1%)	Vos Max.	Packages	Status
LTC6001	1	1.8~5.5 V	10.0 V	1.5 MHz	75 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	2.5 mV	SOT23-5, SC70-5	Active
LTC6001U	1	1.8~5.5 V	10.0 V	1.5 MHz	75 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	2.5 mV	SOT23-5, SC70-5	Active
LTC6002	2	1.8~5.5 V	10.0 V	1.5 MHz	150 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	2.5 mV	SO8, MSOP8, DFN2x2-8L	Active
LTC6004	4	1.8~5.5 V	10.0 V	1.5 MHz	300 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	2.5 mV	SO-14, TSSOP-14, QFN3x3-16	Active
LTC8541	1	2.0~5.5 V	10.0 V	1.5 MHz	75 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	2.5 mV	SOT23-5, SC70-5	Active
LTC8542	2	2.0~5.5 V	10.0 V	1.5 MHz	150 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	2.5 mV	SO8, MSOP8, DFN2x2-8L	Active
LTC8544	4	2.0~5.5 V	10.0 V	1.5 MHz	300 μ A	25 nV/ $\sqrt$ Hz	5.6 μ VP-P	1.2 V/ μ s	1.2 μ s	2.5 mV	SO-14, TSSOP-14, QFN3x3-16	Active
LTC321	1	1.8~5.5 V	10.0 V	1.2 MHz	85 μ A	30 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.5 μ s	3.0 mV	SOT23-5, SC70-5	Active
LTC358	2	1.8~5.5 V	10.0 V	1.2 MHz	170 μ A	30 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.5 μ s	3.0 mV	SO8, MSOP8, DFN2x2-8L	Active
LTC324	4	1.8~5.5 V	10.0 V	1.2 MHz	340 μ A	30 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.5 μ s	3.0 mV	SO-14, TSSOP-14	Active
LTC321A	1	1.8~5.5 V	10.0 V	1 MHz	85 μ A	29 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.2 μ s	0~1 mV	SOT23-5	Active
LTC358A	2	1.8~5.5 V	10.0 V	1 MHz	170 μ A	29 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.2 μ s	0~1 mV	SO8, MSOP8	Active
LTC321B	1	1.8~5.5 V	10.0 V	1.2 MHz	90 μ A	30 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.5 μ s	0.5~3 mV	SOT23-5, SC70-5	Active
LTC321H	1	1.8~5.5 V	10.0 V	1.2 MHz	90 μ A	30 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.2 μ s	0~2.5 mV	SOT23-5, SC70-5	Active
LTC358H	2	2.0~5.5 V	10.0 V	1 MHz	180 μ A	30 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.2 μ s	1~2.5 mV	SO8, MSOP8	Active
LTC324H	4	1.8~5.5 V	10.0 V	1.2 MHz	375 μ A	30 nV/ $\sqrt$ Hz	6 μ VP-P	1 V/ μ s	1.5 μ s	0~2.5 mV	SO-14, TSSOP-14	Active

High-Voltage Precision Operation Op-Amps

◆ 48V power supply+RRIO

supports larger input dynamic range and improves circuit adaptability

◆ Low THD+N

achieves "lossless" signal ("lossless" sound is a clean audio signal path allows you to hear the most exquisite details)

◆ High Slew-Rate and Wide BW

- processes and obtains faster signals with high AC performance
- faster step response time, suitable for motor phase current detection

Part No.	CH	VDD	GBW	Vos Max.	Temperature Drift	IQ	ENOISE(1kHz)	VNOISE(0.1~10Hz)	SR	CMRR	PSRR	Rail to Rail	Packages	Status
LTA8021	1	4.5V~48V	0.1 MHz	0.75 mV	1 $\mu\text{V}/^{\circ}\text{C}$	12 μA	28 nV/ $\sqrt{\text{Hz}}$	6 $\mu\text{Vp-p}$	0.06 V/ μs	-	-	RRO	SOT23-5,S08	Pre-release
LTA8022	2	4.5V~48V	0.1 MHz	0.75 mV	1 $\mu\text{V}/^{\circ}\text{C}$	24 μA	28 nV/ $\sqrt{\text{Hz}}$	6 $\mu\text{Vp-p}$	0.06 V/ μs	-	-	RRO	S08, MSOP8,DFN3x3-8	Pre-release
LTA8024	4	4.5V~48V	0.1 MHz	0.75 mV	1 $\mu\text{V}/^{\circ}\text{C}$	48 μA	28 nV/ $\sqrt{\text{Hz}}$	6 $\mu\text{Vp-p}$	0.06 V/ μs	-	-	RRO	SO-14, TSSOP-14	Pre-release
LTA8061	1	4.5V~48V	1.1 MHz	0.1 mV	1 $\mu\text{V}/^{\circ}\text{C}$	220 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	0.8 V/ μs	110 dB	114 dB	RRO	SOT23-5,S08	Active
LTA8062	2	4.5V~48V	1.1 MHz	0.1 mV	1 $\mu\text{V}/^{\circ}\text{C}$	440 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	0.8 V/ μs	110 dB	114 dB	RRO	S08, MSOP8,DFN3x3-8	Active
LTA8064	4	4.5V~48V	1.1 MHz	0.1 mV	1 $\mu\text{V}/^{\circ}\text{C}$	880 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	0.8 V/ μs	110 dB	114 dB	RRO	SO-14, TSSOP-14	Active
LTA8071	1	4.5V~48V	4 MHz	0.35 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	620 μA	15 nV/ $\sqrt{\text{Hz}}$	4.6 $\mu\text{Vp-p}$	3 V/ μs	115 dB	109 dB	RRO	SOT23-5,S08	Active
LTA8072	2	4.5V~48V	4 MHz	0.35 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	1240 μA	15 nV/ $\sqrt{\text{Hz}}$	4.6 $\mu\text{Vp-p}$	3 V/ μs	115 dB	109 dB	RRO	S08, MSOP8,DFN3x3-8	Active
LTA8074	4	4.5V~48V	4 MHz	0.35 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	2480 μA	15 nV/ $\sqrt{\text{Hz}}$	4.6 $\mu\text{Vp-p}$	3 V/ μs	115 dB	109 dB	RRO	SO-14, TSSOP-14	Active
LTA8081	1	4.5V~48V	10 MHz	0.35 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	2750 μA	10 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	9 V/ μs	116 dB	109 dB	RRO	SOT23-5,S08	Active
LTA8082	2	4.5V~48V	10 MHz	0.35 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	5500 μA	10 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	9 V/ μs	116 dB	109 dB	RRO	S08, MSOP8,DFN3x3-8	Active
LTA8084	4	4.5V~48V	10 MHz	0.35 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	11000 μA	10 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	9 V/ μs	116 dB	109 dB	RRO	SO-14, TSSOP-14	Active
LTA8091	1	4.5V~48V	22 MHz	0.1 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	7100 μA	8 nV/ $\sqrt{\text{Hz}}$	3.6 $\mu\text{Vp-p}$	20 V/ μs	116 dB	109 dB	RRO	SOT23-5,S08	Active
LTA8092	2	4.5V~48V	22 MHz	0.1 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	14200 μA	8 nV/ $\sqrt{\text{Hz}}$	3.6 $\mu\text{Vp-p}$	20 V/ μs	116 dB	109 dB	RRO	S08, MSOP8,DFN3x3-8	Active
LTA8094	4	4.5V~48V	22 MHz	0.1 mV	1.5 $\mu\text{V}/^{\circ}\text{C}$	28400 μA	8 nV/ $\sqrt{\text{Hz}}$	3.6 $\mu\text{Vp-p}$	20 V/ μs	116 dB	109 dB	RRO	SO-14, TSSOP-14	Active
LTA8061HV	1	4.5V~48V	1.1 MHz	-	-	-	-	-	-	110 dB	114 dB	RRIO	SOT23-5,S08	Pre-release
LTA8062HV	2	4.5V~48V	1.1 MHz	-	-	-	-	-	-	110 dB	114 dB	RRIO	S08, MSOP8,DFN3x3-8	Pre-release
LTA8064HV	4	4.5V~48V	1.1 MHz	-	-	-	-	-	-	110 dB	114 dB	RRIO	SO-14, TSSOP-14	Pre-release
LTA8071HV	1	4.5V~48V	4 MHz	-	-	-	-	-	-	115 dB	109 dB	RRIO	SOT23-5,S08	Pre-release
LTA8072HV	2	4.5V~48V	4 MHz	-	-	-	-	-	-	115 dB	109 dB	RRIO	S08, MSOP8,DFN3x3-8	Pre-release
LTA8074HV	4	4.5V~48V	4 MHz	-	-	-	-	-	-	115 dB	109 dB	RRIO	SO-14, TSSOP-14	Pre-release
LTA8081HV	1	4.5V~48V	10 MHz	0.35 mV	3 $\mu\text{V}/^{\circ}\text{C}$	2750 μA	20 nV/ $\sqrt{\text{Hz}}$	-	10 V/ μs	116 dB	109 dB	RRIO	SOT23-5,S08	Pre-release
LTA8082HV	2	4.5V~48V	10 MHz	0.35 mV	3 $\mu\text{V}/^{\circ}\text{C}$	3380 μA	20 nV/ $\sqrt{\text{Hz}}$	-	10 V/ μs	116 dB	109 dB	RRIO	S08, MSOP8,DFN3x3-8	Pre-release
LTA8084HV	4	4.5V~48V	10 MHz	0.35 mV	3 $\mu\text{V}/^{\circ}\text{C}$	11000 μA	20 nV/ $\sqrt{\text{Hz}}$	-	10 V/ μs	123 dB	109 dB	RRIO	SO-14, TSSOP-14	Pre-release
LTA8091HV	1	4.5V~48V	22 MHz	0.35 mV	-	2590 μA	-	-	24 V/ μs	123 dB	113 dB	RRIO	SOT23-5,S08	Pre-release
LTA8092HV	2	4.5V~48V	22 MHz	0.35 mV	-	5180 μA	-	-	24 V/ μs	123 dB	113 dB	RRIO	S08, MSOP8,DFN3x3-8	Pre-release
LTA8094HV	4	4.5V~48V	22 MHz	0.35 mV	-	10360 μA	-	-	24 V/ μs	123 dB	113 dB	RRIO	SO-14, TSSOP-14	Pre-release
LTA37	1	4.8V~36V	63 MHz	0.1 mV	0.5 $\mu\text{V}/^{\circ}\text{C}$	3300 μA	3 nV/ $\sqrt{\text{Hz}}$	-	-	135 dB	130 dB	-	S08, TSSOP8, MSOP8	Pre-release
LTA237	2	4.8V~36V	63 MHz	0.1 mV	0.5 $\mu\text{V}/^{\circ}\text{C}$	6600 μA	3 nV/ $\sqrt{\text{Hz}}$	-	-	135 dB	130 dB	-	SO16	Pre-release

High-Voltage Zero-Drift Operation Op-Amps

◆ 48V power supply

supports larger input dynamic range and improves circuit adaptability

◆ Chopper architecture

achieves better DC indicators (offset, temperature drift, common-mode rejection ratio, power supply rejection ratio, etc.)

◆ Low THD+N

achieves "lossless" signal ("lossless" sound is a clean audio signal path allows you to hear the most exquisite details)

Part No.	CH	VDD	GBW	Vos Max.	Temperature Drift	IQ	ENOISE(1kHz)	VNOISE(0.1~10Hz)	SR	CMRR	PSRR	Rail to Rail	Packages	Status
LTA8131	1	4.5V~48V	0.1 MHz	0.02 mV	1 $\mu\text{V}/^{\circ}\text{C}$	17 μA	50 nV/ $\sqrt{\text{Hz}}$	0.05 $\mu\text{Vp-p}$	0.4 V/ μs	-	-	RRO	SOT23-5,SO8	Pre-release
LTA8132	2	4.5V~48V	0.1 MHz	0.02 mV	1 $\mu\text{V}/^{\circ}\text{C}$	34 μA	50 nV/ $\sqrt{\text{Hz}}$	0.05 $\mu\text{Vp-p}$	0.4 V/ μs	-	-	RRO	SO8, DFN3X3-8	Pre-release
LTA8134	4	4.5V~48V	0.1 MHz	0.02 mV	1 $\mu\text{V}/^{\circ}\text{C}$	68 μA	50 nV/ $\sqrt{\text{Hz}}$	0.05 $\mu\text{Vp-p}$	0.4 V/ μs	-	-	RRO	SO-14, TSSOP-14	Pre-release
LTA8151	1	4.5V~48V	1 MHz	0.03 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	160 μA	22 nV/ $\sqrt{\text{Hz}}$	0.41 $\mu\text{Vp-p}$	0.56 V/ μs	130	132	RRO	SOT23-5,SO8	Active
LTA8152	2	4.5V~48V	1 MHz	0.03 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	320 μA	22 nV/ $\sqrt{\text{Hz}}$	0.41 $\mu\text{Vp-p}$	0.56 V/ μs	130	132	RRO	SO8, DFN3X3-8	Active
LTA8154	4	4.5V~48V	1 MHz	0.03 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	640 μA	22 nV/ $\sqrt{\text{Hz}}$	0.41 $\mu\text{Vp-p}$	0.56 V/ μs	130	132	RRO	SO-14, TSSOP-14	Active
LTA8181	1	4.5V~48V	4 MHz	0.025 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	690 μA	15 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	2.6 V/ μs	132	135	RRO	SOT23-5,SO8	Active
LTA8182	2	4.5V~48V	4 MHz	0.025 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	1380 μA	15 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	2.6 V/ μs	132	135	RRO	SO8, DFN3X3-8	Active
LTA8184	4	4.5V~48V	4 MHz	0.025 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	2760 μA	15 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	2.6 V/ μs	132	135	RRO	SO-14, TSSOP-14	Active
LTA77E	1	6.0V~44V	0.9 MHz	0.025 mV	0.3 $\mu\text{V}/^{\circ}\text{C}$	220 μA	/	0.5 $\mu\text{Vp-p}$	0.5 V/ μs	140	123	RRO	SO8	Active
LTA77F	1	6.0V~44V	0.9 MHz	0.06 mV	0.6 $\mu\text{V}/^{\circ}\text{C}$	220 μA	/	0.5 $\mu\text{Vp-p}$	0.5V/ μs	140	123	RRO	SO8	Active
LTA27A	1	6.0V~44V	4.5 MHz	0.025 mV	0.2 $\mu\text{V}/^{\circ}\text{C}$	700 μA	14 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	3 V/ μs	114	123	RRO	SO8	Active
LTA27C	1	6.0V~44V	4.5 MHz	0.1 mV	0.6 $\mu\text{V}/^{\circ}\text{C}$	700 μA	14 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	3 V/ μs	100	123	RRO	SO8	Active
LTA8191	1	4.0V~36V	12 MHz	0.2 μV	0.005 $\mu\text{V}/^{\circ}\text{C}$	2190 μA	9 nV/ $\sqrt{\text{Hz}}$	0.11 $\mu\text{Vp-p}$	22 V/ μs	150	140	RRO	SOT23-5,SO8,MSOP8	Pre-release
LTA8192	2	4.0V~36V	12 MHz	0.2 μV	0.005 $\mu\text{V}/^{\circ}\text{C}$	4380 μA	9 nV/ $\sqrt{\text{Hz}}$	0.11 $\mu\text{Vp-p}$	22 V/ μs	150	140	RRO	SO8,MSOP8	Pre-release
LTA8151HV	1	4.5V~48V	1 MHz	0.03 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	160 μA	22 nV/ $\sqrt{\text{Hz}}$	0.41 $\mu\text{Vp-p}$	0.56 V/ μs	130	132	RRIO	SOT23-5,SO8	Pre-release
LTA8152HV	2	4.5V~48V	1 MHz	0.03 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	320 μA	22 nV/ $\sqrt{\text{Hz}}$	0.41 $\mu\text{Vp-p}$	0.56 V/ μs	130	132	RRIO	SO8, DFN3X3-8	Pre-release
LTA8154HV	4	4.5V~48V	1 MHz	0.03 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	640 μA	22 nV/ $\sqrt{\text{Hz}}$	0.41 $\mu\text{Vp-p}$	0.56 V/ μs	130	132	RRIO	SO-14, TSSOP-14	Pre-release
LTA8181HV	1	4.5V~48V	4 MHz	0.025 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	690 μA	15 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	2.6 V/ μs	132	135	RRIO	SOT23-5,SO8	Pre-release
LTA8182HV	2	4.5V~48V	4 MHz	0.025 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	1380 μA	15 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	2.6 V/ μs	132	135	RRIO	SO8, DFN3X3-8	Pre-release
LTA8184HV	4	4.5V~48V	4 MHz	0.025 mV	0.05 $\mu\text{V}/^{\circ}\text{C}$	2760 μA	15 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	2.6 V/ μs	132	135	RRIO	SO-14, TSSOP-14	Pre-release
LTA77EHV	1	6.0V~44V	0.9 MHz	0.025 mV	0.3 $\mu\text{V}/^{\circ}\text{C}$	220 μA	/	0.5 $\mu\text{Vp-p}$	0.5 V/ μs	140	123	RRIO	SO8	Pre-release
LTA77FHV	1	6.0V~44V	0.9 MHz	0.06 mV	0.6 $\mu\text{V}/^{\circ}\text{C}$	220 μA	/	0.5 $\mu\text{Vp-p}$	0.5V/ μs	140	123	RRIO	SO8	Pre-release
LTA27AHV	1	6.0V~44V	4.5 MHz	0.025 mV	0.2 $\mu\text{V}/^{\circ}\text{C}$	700 μA	14 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	3 V/ μs	114	123	RRIO	SO8	Pre-release
LTA27CHV	1	6.0V~44V	4.5 MHz	0.1 mV	0.6 $\mu\text{V}/^{\circ}\text{C}$	700 μA	14 nV/ $\sqrt{\text{Hz}}$	0.32 $\mu\text{Vp-p}$	3 V/ μs	100	123	RRIO	SO8	Pre-release

High-Voltage General Operation Op-Amps

◆ Cost Optimized

provides excellent price/performance ratio for cost-conscious system applications

◆ Compatible Package

pin-compatible product design, convenient as an alternative option

◆ Bipolar / CMOS

for different applications, high-voltage Op-Amps under different processes give full play to their own characteristics and advantages

◆ Precision

under the premise of cost control, it provides high DC precision and AC performance

Part No.	CH	VDD	GBW	Vos Max.	Temperature Drift	IQ	ENOISE(1kHz)	VNOISE(0.1~10Hz)	SR	Packages	Status
LTA8221	1	4V~48V	0.1 MHz	3 mV	2 $\mu\text{V}/^{\circ}\text{C}$	20 μA	63 nV/ $\sqrt{\text{Hz}}$	2.5 $\mu\text{Vp-p}$	/	SOT23-5,SO8	Pre-release
LTA8222	2	4V~48V	0.1 MHz	3 mV	2 $\mu\text{V}/^{\circ}\text{C}$	40 μA	63 nV/ $\sqrt{\text{Hz}}$	2.5 $\mu\text{Vp-p}$	/	SO8, MSOP8,DFN3x3-8	Pre-release
LTA8224	4	4V~48V	0.1 MHz	3 mV	2 $\mu\text{V}/^{\circ}\text{C}$	80 μA	63 nV/ $\sqrt{\text{Hz}}$	2.5 $\mu\text{Vp-p}$	/	SO-14, TSSOP-14	Pre-release
LTA8261	1	4V~48V	1.1 MHz	2 mV	2 $\mu\text{V}/^{\circ}\text{C}$	140 μA	22 nV/ $\sqrt{\text{Hz}}$	5.0 $\mu\text{Vp-p}$	0.8 V/ μs	SOT23-5,SO8	Active
LTA8262	2	4V~48V	1.1 MHz	2 mV	2 $\mu\text{V}/^{\circ}\text{C}$	280 μA	22 nV/ $\sqrt{\text{Hz}}$	5.0 $\mu\text{Vp-p}$	0.8 V/ μs	SO8, MSOP8,DFN3x3-8	Active
LTA8264	4	4V~48V	1.1 MHz	2 mV	2 $\mu\text{V}/^{\circ}\text{C}$	560 μA	22 nV/ $\sqrt{\text{Hz}}$	5.0 $\mu\text{Vp-p}$	0.8 V/ μs	SO-14, TSSOP-14	Active
LTA2904H	2	4.5V~40V	1.1 MHz	3 mV	7 $\mu\text{V}/^{\circ}\text{C}$	300 μA	40 nV/ $\sqrt{\text{Hz}}$	5.0 $\mu\text{Vp-p}$	0.5 V/ μs	SO8	Active
LTA8271	1	4V~48V	4 MHz	2 mV	2 $\mu\text{V}/^{\circ}\text{C}$	620 μA	15 nV/ $\sqrt{\text{Hz}}$	4.6 $\mu\text{Vp-p}$	3 V/ μs	SOT23-5,SO8	Active
LTA8272	2	4V~48V	4 MHz	2 mV	2 $\mu\text{V}/^{\circ}\text{C}$	1240 μA	15 nV/ $\sqrt{\text{Hz}}$	4.6 $\mu\text{Vp-p}$	3 V/ μs	SO8, MSOP8,DFN3x3-8	Active
LTA8274	4	4V~48V	4 MHz	2 mV	2 $\mu\text{V}/^{\circ}\text{C}$	2480 μA	15 nV/ $\sqrt{\text{Hz}}$	4.6 $\mu\text{Vp-p}$	3 V/ μs	SO-14, TSSOP-14	Active
LTA082H	2	4.5V~40V	5.25 MHz	4 mV	2 $\mu\text{V}/^{\circ}\text{C}$	2750 μA	37 nV/ $\sqrt{\text{Hz}}$	9 $\mu\text{Vp-p}$	9 V/ μs	SO8	Active
LTA8281	1	4V~48V	12 MHz	1.8 mV	2 $\mu\text{V}/^{\circ}\text{C}$	2750 μA	10 nV/ $\sqrt{\text{Hz}}$	4.0 $\mu\text{Vp-p}$	9 V/ μs	SOT23-5,SO8	Active
LTA8282	2	4V~48V	12 MHz	1.8 mV	2 $\mu\text{V}/^{\circ}\text{C}$	5500 μA	10 nV/ $\sqrt{\text{Hz}}$	4.0 $\mu\text{Vp-p}$	9 V/ μs	SO8, MSOP8,DFN3x3-8	Active
LTA8284	4	4V~48V	12 MHz	1.8 mV	2 $\mu\text{V}/^{\circ}\text{C}$	11000 μA	10 nV/ $\sqrt{\text{Hz}}$	4.0 $\mu\text{Vp-p}$	9 V/ μs	SO-14, TSSOP-14	Active
LTA8291	1	4V~48V	22 MHz	1.8 mV	2 $\mu\text{V}/^{\circ}\text{C}$	7100 μA	8 nV/ $\sqrt{\text{Hz}}$	3.6 $\mu\text{Vp-p}$	20 V/ μs	SOT23-5,SO8	Active
LTA8292	2	4V~48V	22 MHz	1.8 mV	2 $\mu\text{V}/^{\circ}\text{C}$	14200 μA	8 nV/ $\sqrt{\text{Hz}}$	3.6 $\mu\text{Vp-p}$	20 V/ μs	SO8, MSOP8,DFN3x3-8	Active
LTA8294	4	4V~48V	22 MHz	1.8 mV	2 $\mu\text{V}/^{\circ}\text{C}$	29200 μA	8 nV/ $\sqrt{\text{Hz}}$	3.6 $\mu\text{Vp-p}$	20 V/ μs	SO-14, TSSOP-14	Active
LTA4580	2	4V~48V	19 MHz	3 mV	2 $\mu\text{V}/^{\circ}\text{C}$	14600 μA	/	0.8 μVrms	17 V/ μs	SO8, MSOP8 TSSOP8	Active
LTA4584	4	4V~48V	19 MHz	3 mV	2 $\mu\text{V}/^{\circ}\text{C}$	29200 μA	/	0.8 μVrms	17 V/ μs	SO-14, TSSOP-14	Active
LTA321	1	3V~36V	1.3 MHz	3 mV	6 $\mu\text{V}/^{\circ}\text{C}$	375 μA	20 nV/ $\sqrt{\text{Hz}}$	4.5 $\mu\text{Vp-p}$	0.98 V/ μs	SOT23-5	Pre-release
LTA323	1	3V~36V	1.3 MHz	3 mV	6 $\mu\text{V}/^{\circ}\text{C}$	375 μA	20 nV/ $\sqrt{\text{Hz}}$	4.5 $\mu\text{Vp-p}$	0.98 V/ μs	SOT23-5	Pre-release
LTA2904	2	3V~36V	1.3 MHz	3 mV	6 $\mu\text{V}/^{\circ}\text{C}$	750 μA	20 nV/ $\sqrt{\text{Hz}}$	4.5 $\mu\text{Vp-p}$	0.98 V/ μs	SO8, MSOP8, TSSOP8	Pre-release
LTA2902	4	3V~36V	1.3 MHz	3 mV	6 $\mu\text{V}/^{\circ}\text{C}$	1500 μA	20 nV/ $\sqrt{\text{Hz}}$	4.5 $\mu\text{Vp-p}$	0.98 V/ μs	SO14, TSSOP14,DIP14	Pre-release
LTA6321	1	3V~36V	1.0 MHz	4 mV	2 $\mu\text{V}/^{\circ}\text{C}$	250 μA	29 nV/ $\sqrt{\text{Hz}}$	4.77 $\mu\text{Vp-p}$	0.7 V/ μs	SOT23-5,SO8	Pre-release
LTA6358	2	3V~36V	1.0 MHz	4 mV	2 $\mu\text{V}/^{\circ}\text{C}$	500 μA	29 nV/ $\sqrt{\text{Hz}}$	4.77 $\mu\text{Vp-p}$	0.7 V/ μs	SO8, MSOP8,DFN3x3-8	Pre-release
LTA6324	4	3V~36V	1.0 MHz	4 mV	2 $\mu\text{V}/^{\circ}\text{C}$	1000 μA	29 nV/ $\sqrt{\text{Hz}}$	4.77 $\mu\text{Vp-p}$	0.7 V/ μs	SO-14, TSSOP-14	Pre-release
LTA6341	1	3V~36V	3.0 MHz	4 mV	2 $\mu\text{V}/^{\circ}\text{C}$	600 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	3 V/ μs	SOT23-5,SO8	Pre-release
LTA6342	2	3V~36V	3.0 MHz	4 mV	2 $\mu\text{V}/^{\circ}\text{C}$	1200 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	3 V/ μs	SO8, MSOP8,DFN3x3-8	Pre-release
LTA6344	4	3V~36V	3.0 MHz	4 mV	2 $\mu\text{V}/^{\circ}\text{C}$	2400 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	3 V/ μs	SO-14, TSSOP-14	Pre-release

High-Voltage General Operation Op-Amps

Part No.	CH	VDD	GBW	Vos Max.	Temperature Drift	IQ	ENOISE(1kHz)	VNOISE(0.1~10Hz)	SR	Packages	Status
LTA6341	1	3V~36V	3.0 MHz	4 mV	2 $\mu\text{V}/^\circ\text{C}$	600 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	3 V/ μs	SOT23-5,S08	Pre-release
LTA6342	2	3V~36V	3.0 MHz	4 mV	2 $\mu\text{V}/^\circ\text{C}$	1200 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	3 V/ μs	S08, MSOP8,DFN3x3-8	Pre-release
LTA6344	4	3V~36V	3.0 MHz	4 mV	2 $\mu\text{V}/^\circ\text{C}$	2400 μA	25 nV/ $\sqrt{\text{Hz}}$	4 $\mu\text{Vp-p}$	3 V/ μs	SO-14, TSSOP-14	Pre-release
LTA6371	1	3V~36V	7 MHz	4 mV	-	1390 μA	-	-	-	SOT23-5,S08	Pre-release
LTA6372	2	3V~36V	7 MHz	4 mV	-	2780 μA	-	-	-	S08, MSOP8,DFN3x3-8	Pre-release
LTA6374	4	3V~36V	7 MHz	4 mV	-	5560 μA	-	-	-	SO-14, TSSOP-14	Pre-release
LTA6381	1	3V~36V	15 MHz	4 mV	9 $\mu\text{V}/^\circ\text{C}$	3760 μA	-	-	-	SOT23-5,S08	Pre-release
LTA6382	2	3V~36V	15 MHz	4 mV	9 $\mu\text{V}/^\circ\text{C}$	7520 μA	-	-	-	S08, MSOP8,DFN3x3-8	Pre-release
LTA6384	4	3V~36V	15 MHz	4 mV	9 $\mu\text{V}/^\circ\text{C}$	15040 μA	-	-	-	SO-14, TSSOP-14	Pre-release

High speed Op-Amps

- ◆ high speed rate
suitable for high-speed AD acquisition buffer
- ◆ high voltage pendulum
requirements for video high-bandwidth
- ◆ RPO
high current (90mA) increases dynamic range
- ◆ wide power rail
requirements for power supply of two-legged various systems

Part No.	CH	VDD	VDD Max.	BW(-3dB)	BW(0.1dB)	IQ	Input/Output	SR	Ts	Packages	Status
LTA6041	1	2.5~12.6 V	13.5 V	105 MHz	8.5 MHz	4.4 mA	In-/Out	107 V/ μs	66 ns	SOT23-5,SOIC8	Active
LTA6042	2	2.5~12.6 V	13.5 V	105 MHz	8.5 MHz	8.8 mA	In-/Out	107 V/ μs	66 ns	SOIC-8, MSOP8	Active
LTA6044	4	2.5~12.6 V	13.5 V	105 MHz	8.5 MHz	17.6 mA	In-/Out	107 V/ μs	66 ns	SO-14, TSSOP-14	Active
LTA8041	1	2.5~5.5 V	8 V	100 MHz	8.5 MHz	4.2 mA	In-/Out	102 V/ μs	66 ns	SOT23-5,SOIC8	Active
LTA8042	2	2.5~5.5 V	8 V	100 MHz	8.5 MHz	8.4 mA	In-/Out	102 V/ μs	66 ns	SOIC8,MSOP8	Active
LTA8044	4	2.5~5.5 V	8 V	100 MHz	8.5 MHz	16.8 mA	In-/Out	102 V/ μs	66 ns	SOIC14,TSSOP14	Active
LTA6051	1	3.3~12.6 V	13.5 V	250 MHz	10.6 MHz	7.4 mA	In-/Out	190 V/ μs	14 ns	SOT23-5,SOIC8	Active
LTA6052	2	3.3~12.6 V	13.5 V	250 MHz	10.6 MHz	14.8 mA	In-/Out	190 V/ μs	14 ns	SOIC-8, MSOP8	Active
LTA6054	4	3.3~12.6 V	13.5 V	250 MHz	10.6 MHz	29.6 mA	In-/Out	190 V/ μs	14 ns	SO-14, TSSOP-14	Active
LTA8051	1	3.3~5.5 V	8 V	200 MHz	8 MHz	6.7 mA	In-/Out	180 V/ μs	16.5 ns	SOT23-5,SOIC8	Active
LTA8052	2	3.3~5.5 V	8 V	200 MHz	8 MHz	13.4 mA	In-/Out	180 V/ μs	16.5 ns	SOIC8,MSOP8	Active
LTA8054	4	3.3~5.5 V	8 V	200 MHz	8 MHz	26.8 mA	In-/Out	180 V/ μs	16.5 ns	SOIC14,TSSOP14	Active

Low Voltage Nano Power Comparators

Part No.	CH	VDD	VDD Max.	tPD+ (L–H)	tPD– (H–L)	VHYST	VOS Max.	Output	IQ	Packages	Status
LTC8701	1	1.7–5.5 V	10 V	12 μ s	13 μ s	5.0 mV	3.5 mV	Push-Pull	355 nA	SOT23-5, SC70-5, DFN-8L	Active
LTC8702	2	1.7–5.5 V	10 V	12 μ s	13 μ s	5.0 mV	3.5 mV	Push-Pull	710 nA	SO8, DFN-8L, MSOP8	Active
LTC8704	4	1.7–5.5 V	10 V	12 μ s	13 μ s	5.0 mV	3.5 mV	Push-Pull	1420 nA	SO-14, TSSOP-14	Active
LTC8703	1	1.7–5.5 V	10 V	12 μ s	13 μ s	5.0 mV	3.5 mV	Push-Pull	355 nA	SOT23-5, SC70-5	Active
LTC8705	1	1.7–5.5 V	10 V	12 μ s	13 μ s	4.0 mV	5.5 mV	Open-Drain	420 nA	SOT23-5, SC70-5	Active
LTC8706	2	1.7–5.5 V	10 V	12 μ s	13 μ s	4.0 mV	5.5 mV	Open-Drain	840 nA	SO8, MSOP8	Active
LTC8708	4	1.7–5.5 V	10 V	12 μ s	13 μ s	4.0 mV	5.5 mV	Open-Drain	1680 nA	SO-14, TSSOP-14	Active
LTC8707	1	1.7–5.5 V	10 V	12 μ s	13 μ s	4.0 mV	5.5 mV	Open-Drain	420 nA	SOT23-5, SC70-5	Active

Low Voltage High Speed Comparators

Part No.	CH	VDD	VDD Max.	tPD+ (L–H)	tPD– (H–L)	VHYST	VOS Max.	Output	IQ	Packages	Status
LTC8721	1	1.7–5.5 V	10 V	78 ns	66 ns	3.0 mV	3.5 mV	Push-Pull	22 μ A	SOT23-5, SC70-5	Active
LTC8722	2	1.7–5.5 V	10 V	78 ns	66 ns	3.0 mV	3.5 mV	Push-Pull	43 μ A	SO8, DFN-8L, MSOP8	Active
LTC8723	1	1.7–5.5 V	10 V	78 ns	66 ns	3.0 mV	3.5 mV	Push-Pull	22 μ A	SOT23-5	Active
LTC8725	1	1.7–5.5 V	10 V	-	66 ns	3.0 mV	3.5 mV	Open-Drain	23 μ A	SOT23-5, SC70-5	Active
LTC8726	2	1.7–5.5 V	10 V	-	66 ns	3.0 mV	3.5 mV	Open-Drain	46 μ A	SO8, DFN-8L, MSOP8	Active
LTC8728	4	1.7–5.5 V	10 V	-	66 ns	3.0 mV	3.5 mV	Open-Drain	90 μ A	SO-14, TSSOP-14	Active
LTC8727	1	1.7–5.5 V	10 V	-	66 ns	3.0 mV	3.5 mV	Open-Drain	22 μ A	SOT23-5	Active
LTC8741	1	1.8–5.5 V	10 V	39 ns	33 ns	3.0 mV	3.5 mV	Push-Pull	135 μ A	SOT23-5, SC70-5	Active
LTC8742	2	1.8–5.5 V	10 V	39 ns	33 ns	3.0 mV	3.5 mV	Push-Pull	265 μ A	SO8, DFN-8L, MSOP8	Active
LTC8744	4	1.8–5.5 V	10 V	39 ns	33 ns	3.0 mV	3.5 mV	Push-Pull	530 μ A	SO-14, TSSOP-14	Active
LTC8743	1	1.8–5.5 V	10 V	39 ns	33 ns	3.0 mV	3.5 mV	Push-Pull	135 μ A	SOT23-5, SC70-5	Active
LTC8745	1	1.8–5.5 V	10 V	-	33 ns	3.0 mV	4.0 mV	Open-Drain	135 μ A	SOT23-5, SC70-5	Pre-release
LTC8746	2	1.8–5.5 V	10 V	-	33 ns	3.0 mV	4.0 mV	Open-Drain	265 μ A	SO8, MSOP8, TSSOP8	Pre-release
LTC8748	4	1.8–5.5 V	10 V	-	33 ns	3.0 mV	4.0 mV	Open-Drain	530 μ A	SO-14, TSSOP-14	Pre-release
LTC331	1	1.8–5.5 V	10 V	-	100 ns	3.0 mV	5.0 mV	Open-Drain	37 μ A	SOT23-5, SC70-5	Active
LTC393	2	1.8–5.5 V	10 V	-	100 ns	3.0 mV	5.0 mV	Open-Drain	74 μ A	SO8, MSOP8, TSSOP8, DFN-8L	Active
LTA6771	1	2.7–5.5 V	10 V	4 ns	4 ns	5.0 mV	5.0 mV	Push-Pull	3 μ A	SOT23-6, SO8	Pre-release
LTA6772	2	2.7–5.5 V	10 V	4 ns	4 ns	5.0 mV	5.0 mV	Push-Pull	6 μ A	SOT23-8, SO8, MSOP8	Pre-release
LTA6773	1	2.7–5.5 V	10 V	4 ns	4 ns	5.0 mV	5.0 mV	Push-Pull	3 μ A	SOT23-5, SC70-5	Pre-release

High Voltage Nano Power Comparators

Part No.	CH	VDD	VDD Max.	tPD+ (L–H)	tPD– (H–L)	VHYST	VOS MAX.	Output	Packages	Status
LTA2903	2	2.0–36.0 V	38 V	–	1.5 μ s	–	7 mV	Open-Drain	SO8, MSOP8, TSSOP8, DFN2*2-8	Pre-release
LTA2901	4	2.0–36.0 V	38 V	–	1.5 μ s	–	7 mV	Open-Drain	SO14, TSSOP14, DFN3*3-16	Pre-release

Analog Switches

Part No.	CH	Input Voltage	Ron	Hz	Leakage Current	Control Interface	Input Range	Packages	Status
LTC3157	(2:1) x 1	1.65 ~ 5.5 V	5 Ω	350 M	100 pA	H/L	0V ~ Vcc	SC70-6, DFN-6	Active
LTC5223	(2:1) x 2	1.65 ~ 5.5 V	0.55 Ω	18 M	100 pA	H/L	0V ~ Vcc	MSOP-10, DFN-10, QFN-10	Active
LTC2467	(2:1) x 4	1.65 ~ 4.7 V	0.5 Ω	50M	100 pA	H/L	-0.5V ~ Vcc	QFN3×3-16	Active
LTC5228	(2:1) x 2	1.65 ~ 5.5 V	0.5 Ω	55M	300 pA	H/L	-2.0V ~ Vcc	MSOP-10, QFN-10	Active
LTC7222	(2:2) x 1	1.65 ~ 4.5 V	6 Ω	750M	1uA	H/L	-0.5V ~ Vcc	MSOP-10, QFN-10	Active
LTC7227	(2:2) x 1	1.65 ~ 4.5 V	6 Ω	900M	1uA	H/L	-0.5V ~ Vcc	MSOP-10, QFN-10	Active

Voltage To Current Converter/Transmitter

Part No.	Function	VDD	Linearity	Input	Fault Alarm	Packages	Application	Status
LTS110	three-line 4-20mA	8 ~36 V	0.05%	Voltage	supported	<500 uA	2.5V	Active
LTS111	three-line 4-20mA	8 ~36 V	0.05%	Voltage	supported	<500 uA	3V	Active
LTS115	two-line 4-20mA	8 ~36 V	0.03%	Voltage	unsupported	<300 uA	2.5V	Pre-release
LTS116	two-line 4-20mA	8 ~36 V	0.03%	Voltage	unsupported	<300 uA	4.096V	Pre-release
LTS117	two-line 4-20mA	8 ~36 V	0.03%	Voltage	unsupported	<300 uA	2.5V/4.096V	Pre-release
LTS8630	4-20mA/0-5V/0-10V/±10V	8 ~36 V	0.02%	PWM/12C	supported	<2mA	2.5V	Pre-release

Transformer Driver

Part No.	Input Voltage	Enable	Soft-Start	Drive Current (Max)	Switching Frequency	Operating Temperature	Packages	Status
LTP8501	3.3 / 5 V	Y	N	350 / 150 mA	160 kHz	-40~125 °C	SOT23-5	Active
LTP8502	3.3 / 5 V	Y	N	350 / 150 mA	360 kHz	-40~125 °C	SOT23-5	Active

Low Power LDOs

Part No.	Input Voltage	Output Voltage fix	Output Curre	IQ	PSRR (1kHz)	Output Noise	Vdrop	Output discharge Y/N	Enable	Packages	Status
LTP3631	2.2 ~ 5.5 V	1.1 ~ 3.6 V	200 mA	0.6 μ A	55 dB	55 μ V	250 mV	Y	Y	SOT23-5, DFN1*1	Active
LTP3633	2.2 ~ 5.5 V	1.1 ~ 3.6 V	200 mA	0.8 μ A	60 dB	55 μ V	250 mV	Y	N	SOT23-5	Active
LTP3635	2.0 ~ 5.5 V	1.2 ~ 3.6 V	300 mA	0.4 μ A	55 dB	100 μ V	170 mV	Y	N	SOT23-3, SOT23-5	Active
LTP3636	2.0 ~ 5.5 V	1.2 ~ 3.6 V	300 mA	0.8 μ A	55 dB	100 μ V	170 mV	Y	N	SOT23-3, SOT23-5	Active
LTP3637	2.0 ~ 5.5 V	1.2 ~ 3.6 V	300 mA	0.8 μ A	55 dB	100 μ V	170 mV	Y	Y	SOT23-5	Active
LTP3565	24 V	3.3 V 5.0 V	150 mA	1.5 μ A	55 dB	/	360 mV	N	N	SOT23-3, SOT23-5, SOT-89	Active
LTP3567	36 V	1.8 V 3.3 V 5.0 V	100 mA	1.3 μ A	/	/	700 mV	N	Y	SOT23-5	Active
LTP3558/A	36 V	1.8 V 2.5 V 3.0 V 3.3 V 3.6 V 5.0 V	200 mA	1.5 μ A	39 dB	90 μ V	520 mV	N	N	SOT23-3, SOT23-5, SOT-89, DFN1*1	Active
LTP3559/A	45 V	1.8 V 2.5 V 3.0 V 3.3 V 3.6 V 5.0 V	350 mA	2.5 μ A	60 dB	100 μ V	330 mV	N	Y	SOT23-3, SOT23-5, SOT-89, DFN1*1	Active
LTP6202	2.8 ~ 7.0 V	2.8 V 3.0 V 3.3 V	300 mA	6 μ A	75 dB	/	150 mV	N	N	SOT-23-3	Active
LTP3570	40 V	12 V	500 mA	2.5 μ A	62 dB	/	300 mV	N	N	SOT-89-3	Active

PSRR LDOs Low Noise, High PSRR

Part No.	Input Voltage	Output Voltage fix	Output Curre	Output Noise	PSRR (1kHz)	IQ	Vdrop	Output discharge Y/N	Enable	Packages	Status
LTP33XX	2.5 ~ 6.0 V	1.1 ~ 3.6V	300mA	45 μ V	70 dB@1kHz	40uA	190mV	Y	Y	SOT23-5, SC70-5, SOT89, UTDFN1*1, DFN1*1	Active
LTP3454-XX	1.2 ~ 5.5 V	0.5 ~ 3.8V	400mA	40 μ V	80 dB@1kHz	48uA	220mV	Y	Y	SOT23-5, SOT89, DFN1*1	Active
LTP3456-XX	1.9 ~ 5.5 V	0.8 ~ 3.3V	500mA	40 μ V	70 dB@1kHz	45uA	200mV	Y	Y	SOT23-5, DFN1*1	Active
LTP3465-XX	1.6 ~ 5.5 V	1.2 ~ 3.8V	500mA	20 μ V	75 dB@1kHz	42uA	145mV	Y	Y	SOT23-5, DFN1*1	Active
LTP829	20 V	0.7 ~ 5.0V	1000mA	60 μ V	80 dB@1kHz	100uA	598mV	Y	Y	SOT-223, SOT89, ESOP8	Active
LTP7693	1.1 ~ 6.5 V	0.8 ~ 5.15V	3000mA	4.4 μ V	40 dB@500kHz	25uA	180mV	Y	Y	QFN3.5 * 3.5-20	Active
LTP753	1.7 ~ 5.5 V	0.8~3.6V	300mA	75 μ V	70 dB@1kHz	50uA	210mV	Y	Y	SOT23-5, DFN1*1-4, DFN2*2-6	Active
LTP7792	2.3 ~ 6.5 V	1.3~5 V	2 A	5 μ V	60 dB(100kHz)	0.7mA	135mV	Y	Y	DFN3×3-8	Active
LTP7293	1.1 ~ 1.98 V	0.5~1.5 V	2 A	2.2 μ V	65 dB@10kHz	12 mA	60 mV	Y	Y	DFN3×3-16	Pre-release

H-Bridge Brushed DC Motor Driver (PWM Control)

Part No.	VM	RDS(on)	IPK	IVMSLEEP	IVM	VF	tBLANK	toff	ton	tDEAD	Packages	Status
LTP5070	8 ~ 36 V	0.65 Ω	3.5 A	1nA	10 mA	1.5 V	3 μ s	25 μ s	30 μ s	500 ns	ESOP8	Active

Series Voltage References

Part No.	Output Voltage	Precision	Temperature Drift	Noise	Supply Voltage	Power Dissipation	Operating Temperature	Packages	Status
LTR3312	1.25 V	0.1%	20 PPM/°C	15 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3320	2.048 V	0.1%	20 PPM/°C	15 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3325	2.5 V	0.1%	20 PPM/°C	15 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3330	3.0 V	0.1%	20 PPM/°C	15 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3333	3.3 V	0.1%	20 PPM/°C	15 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3340	4.096 V	0.1%	20 PPM/°C	15 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3012	1.25 V	0.15%	30 PPM/°C	20 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3020	2.048 V	0.15%	30 PPM/°C	20 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3025	2.5 V	0.15%	30 PPM/°C	20 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3030	3.0 V	0.15%	30 PPM/°C	20 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3033	3.3 V	0.15%	30 PPM/°C	20 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active
LTR3040	4.096 V	0.15%	30 PPM/°C	20 μ V/V	2.7 ~ 5.5 V	<500 μ A	-40~125 °C	SOT23-3	Active

Shunt Voltage References

Part No.	Output voltage	Reference voltage	Output Voltage (min)	Output Voltage (max)	Precision	Output Current (max)	Temperature Drift	Output Impedance	Cathode Current	Operating Temperature	Packages	Status
LTP431B	2.495V	adjustable	2.495 V	36 V	0.5%	100 mA	5mV	0.2 Ω	300uA	-40~125 °C	SOT23-3	Active
LTP431A	2.495V	adjustable	2.495 V	36 V	1%	100 mA	15mV	0.2 Ω	300uA	-40~125 °C	SOT23-3	Active
LTP432B	2.495V	adjustable	2.495 V	36 V	0.5%	100 mA	5mV	0.2 Ω	300uA	-40~125 °C	SOT23-3	Active
LTP432A	2.495V	adjustable	2.495 V	36 V	1%	100 mA	15mV	0.2 Ω	300uA	-40~125 °C	SOT23-3	Active
LTP431LB	1.24V	adjustable	1.24 V	18 V	0.5%	100 mA	5mV	0.05 Ω	55uA	-40~125 °C	SOT23-3	Active
LTP431LA	1.24V	adjustable	1.24 V	18 V	1%	100 mA	15mV	0.05 Ω	55uA	-40~125 °C	SOT23-3	Active
LTP432LA	1.24V	adjustable	1.24 V	18 V	0.5%	100 mA	5mV	0.05 Ω	55uA	-40~125 °C	SOT23-3	Active
LTP432LB	1.24V	adjustable	1.24 V	18 V	1%	100 mA	15mV	0.05 Ω	55uA	-40~125 °C	SOT23-3	Active

Ultra-low-power, High-precision, Programmable-delay Supervisory Circuit

Part No.	VDD	Quiescent Current typ	Threshold Accuracy typ	Threshold Voltages	Programmable Delay time	Packages	Operating Temperature	Status
LTP8036-XX	1.65 ~ 6.5 V	0.6 μ A	Typ. 0.5%	0.9~5V fixed OR any value above 0.405V	20 ms and 300 ms fixed OR any value from 1.25 ms to 10 s	SOT23-6 and DFN2*2-6	-40~125 °C	Pre-release

APC Analog to PWM Converter

Part No.	Input	Output	PWM Frequency	VDD	PD Max.	Packages	Application	Status
GP9105	0-VCC	0%-100% PWM	50-500 KHz	2.7 ~ 5.5 V	<3mA	SOP8	analog signal conversion	Active
GP9101	0-VCC	0%-100% PWM	50-500 KHz	4.5 ~ 5.5 V	<3mA	SOP8	analog signal conversion	Active
GP9301B	0-10V/PWM/100K resistance	0%-100% PWM	50-500 KHz	10 ~ 40 V	<3mA	SOP8	0-10V three-in-one speed regulation, dimming	Active
GP9303	0-5V	0%-100% PWM	50-500 KHz	8 ~ 40 V	<3mA	SOP8	analog signal acquisition	Active
GP9305	0-5V	0%-100% HV PWM	50-500 KHz	8 ~ 40 V	<3mA	SOP8	motor drive	Active
GP9401	/	0%-100% PWM	1-100 KHz	2.7 ~ 5.5 V	<3mA	SOP8	PWM soft boot	Active
GP9403	/	0%-100% PWM	1-100 KHz	8 ~ 40 V	<3mA	SOP8	PWM soft boot	Active
GP9406	EN enable	0%-100% PWM	26 KHz	11 ~ 40 V	<3mA	SOP8	PWM soft boot	Active

PAC PWM to Analog Converter

Part No.	Input	Output	PWM Frequency	Resolution	VDD	PD Max.	Packages	Application	Status
GP8101	0%-100% PWM	0-5V/0-10V	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	SOP8	0-10V dimming	Active
GP8101S	0%-100% PWM	0-5V/0-10V	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	ESOP8	0-10V control	Active
GP8102SL	0%-100% PWM	4-20mA	50-50 KHz	12 bit	9 ~ 36 V	<0.8 mA	ESOP8	4-20mA output	Active
GP8111S	0%-50% PWM	0-10V	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	ESOP8	0-10V control	Active
GP8112S	0%-50% PWM	4-20mA	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	ESOP8	4-20mA output	Active
GP8301	0%-100% PWM	4-20mA	50-50 KHz	12 bit	18 ~ 36 V	<2 mA	ESOP8	4-20mA output	Active
GP8311	0%-50% PWM	4-20mA	50-50 KHz	15 bit	18 ~ 36 V	<2 mA	ESOP8	4-20mA output	Active
GP8401	0%-100% PWM	0-10V dual channel	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	ESOP10	0-10V control	Active
GP8500	0%-100% PWM	0-2.5V/0-VCC	50-50 KHz	12 bit	2.7 ~ 5.5 V	<2 mA	SOP8	universal DAC	Active
GP8501	0%-100% PWM	0-2.5V/0-VCC dual channel	50-50 KHz	12 bit	2.7 ~ 5.5 V	<2 mA	ESOP10	universal DAC	Active
GP8510	0%-50% PWM	0-1.25V/0-VCC/2	50-50 KHz	15 bit	2.7 ~ 5.5 V	<2 mA	SOP8	universal DAC	Active

DPC Digital to PWM Converter

Part No.	Input	Output	PWM Frequency	VDD	PD Max.	Packages	Application	Status
GP7101	I2C	0%-100% PWM	1 Hz ~ 1 MHz	2.7 ~ 5.5 V	<3mA	SOP8	fan motor speed regulation	Active
GP7305	I2C	0%-100% PWM	1 Hz ~ 1 MHz	10 ~ 40 V	<3mA	SOP8	fan motor speed regulation	Active

DAC Digital to Analog Converter

Part No.	Input	Output	Resolution	VDD	PD Max.	Packages	Application	Status
GP8201S	I2C	0-5V/0-10V	12 bit	9~36 V	<2mA	ESOP8	universal DAC	Active
GP8202SL	I2C	4-20mA	12 bit	9~36 V	<0.8mA	SOP8	universal DAC	Active
GP8202AS	I2C (with address bit)	4-20mA	12 bit	9~36 V	<2mA	ESOP10	universal DAC	Active
GP8302	I2C	4-20mA	12 bit	18~36 V	<2mA	ESOP8	universal DAC	Active
GP8303	I2C (with address bit)	4-20mA	12 bit	18~36 V	<2mA	ESOP10	universal DAC	Active
GP8403	I2C (with address bit)	0-5V/0-10V dual channel	12 bit	18~36 V	<2mA	ESOP10	universal DAC	Active
GP8502	I2C	0-2.5V/0-VCC	12 bit	2.7~5.5 V	<2mA	SOP8	universal DAC	Active
GP8503	I2C	0-2.5V/0-VCC dual channel	12 bit	2.7~5.5 V	<2mA	ESOP10	universal DAC	Active
GP8211S	I2C	0-5V/0-10V	15 bit	9~36 V	<2mA	ESOP8	precise DAC	Active
GP8212S	I2C	4-20mA	15 bit	9~36 V	<2mA	ESOP10	precise DAC	Active
GP8212AS	I2C (with address bit)	4-20mA	15 bit	9~36 V	<2mA	ESOP8	universal DAC	Active
GP8312	I2C	4-20mA	15 bit	18~36 V	<2mA	ESOP8	precise DAC	Active
GP8313	I2C (with address bit)	4-20mA	15 bit	18~36 V	<2mA	ESOP8	precise DAC	Active
GP8413	I2C (with address bit)	0-5V/0-10V dual channel	15 bit	9~36 V	<2mA	ESOP10	precise DAC	Active
GP8512	I2C	0-5V/0-10V	15 bit	2.7~5.5 V	<2mA	SOP8	precise DAC	Active
GP8513	I2C	0-2.5V/0-VCC dual channel	15 bit	2.7~5.5 V	<2mA	ESOP10	precise DAC	Active

ADC Analog to Digital Converter

Part No.	CH	Analog Supply	Digital Supply	Resolution	Sample Rate Max	Interface	Architecture	Operating Temperature	Packages	Status
LTD2284	2	5V/±2.5V	1.8~3.3V	32 Bits	4000 sps	SPI	Delta-Sigma	-40~125 °C	QFN4×5-24	Active
LTD2113	1	2.0~5.5V	2.0~5.5V	16 Bits	860 sps	IPC	Delta-Sigma	-40~125 °C	MSOP-10,VSSOP-10	Pre-release
LTD2114	1	2.0~5.5V	2.0~5.5V	16 Bits	860 sps	IPC	Delta-Sigma	-40~125 °C	MSOP-10,VSSOP-10	Pre-release
LTD2115	2	2.0~5.5V	2.0~5.5V	16 Bits	860 sps	IPC	Delta-Sigma	-40~125 °C	MSOP-10,VSSOP-10	Pre-release
LTD2118	2	2.0~5.5V	2.0~5.5V	16 Bits	860 sps	SPI	Delta-Sigma	-40~125 °C	MSOP-10,VSSOP-10	Pre-release
LTD2261	5-channel differential / 10-channel single-ended	5V/±2.5V	3.3V/5.0V	24 Bits	40 ksp/s	SPI	Delta-Sigma	-40~125 °C	QFN5×5-32	Active
LTD2260	3-channel differential / 5-channel single-ended	5V/±2.5V	3.3V/5.0V	24 Bits	40 ksp/s	SPI	Delta-Sigma	-40~125 °C	QFN5×5-32	Active
LTD2120	4	2.3~5.5V	2.3~5.5V	16 Bits	2000 sps	SPI	Delta-Sigma	-40~125 °C	TSSOP-16, QFN4×4-16	Active
LTD2220	4	2.3~5.5V	2.3~5.5V	24 Bits	2000 sps	SPI	Delta-Sigma	-40~125 °C	TSSOP-16, QFN4×4-16	Active
LTD2282	2	5V/±2.5V	1.8~3.3V	32 Bits	4000 sps	SPI	Delta-Sigma	-40~125 °C	QFN4×5-24	Pre-release
LTD2283	2	5V/±2.5V	1.8~3.3V	32 Bits	4000 sps	SPI	Delta-Sigma	-40~125 °C	QFN4×5-24	Pre-release
LTD2287	2	5V/±2.5V	1.8~3.3V	32 Bits	1000 sps	SPI	Delta-Sigma	-40~125 °C	QFN4×5-24	Pre-release
LTD2254	4	5V	1.8~3.6V	24 Bits	20 ksp/s	SPI	Delta-Sigma	-40~125 °C	SSOP-20	Pre-release
LTD2248	8	5V/±2.5V	2.7~5.5V	24Bits	2000 sps	SPI	Delta-Sigma	-40~125 °C	TSSOP-28	Pre-release
LTD2532	2	5V/±2.5V	1.8-3.3V	24Bits	4000sps	SPI	Delta-Sigma	-40~125 °C	QFN4×5-24	Active