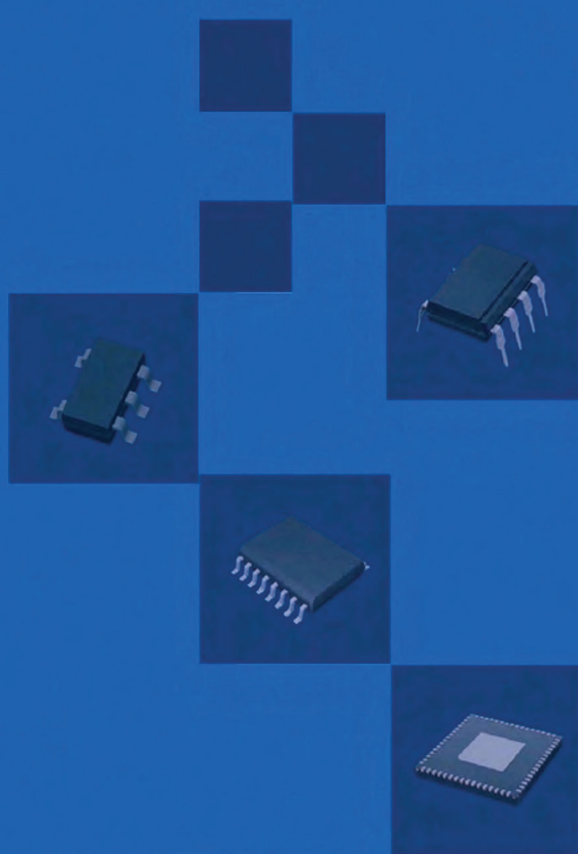




Chipown

High Performance Power Semiconductor

IC

КАТАЛОГ ПРОДУКЦИИ

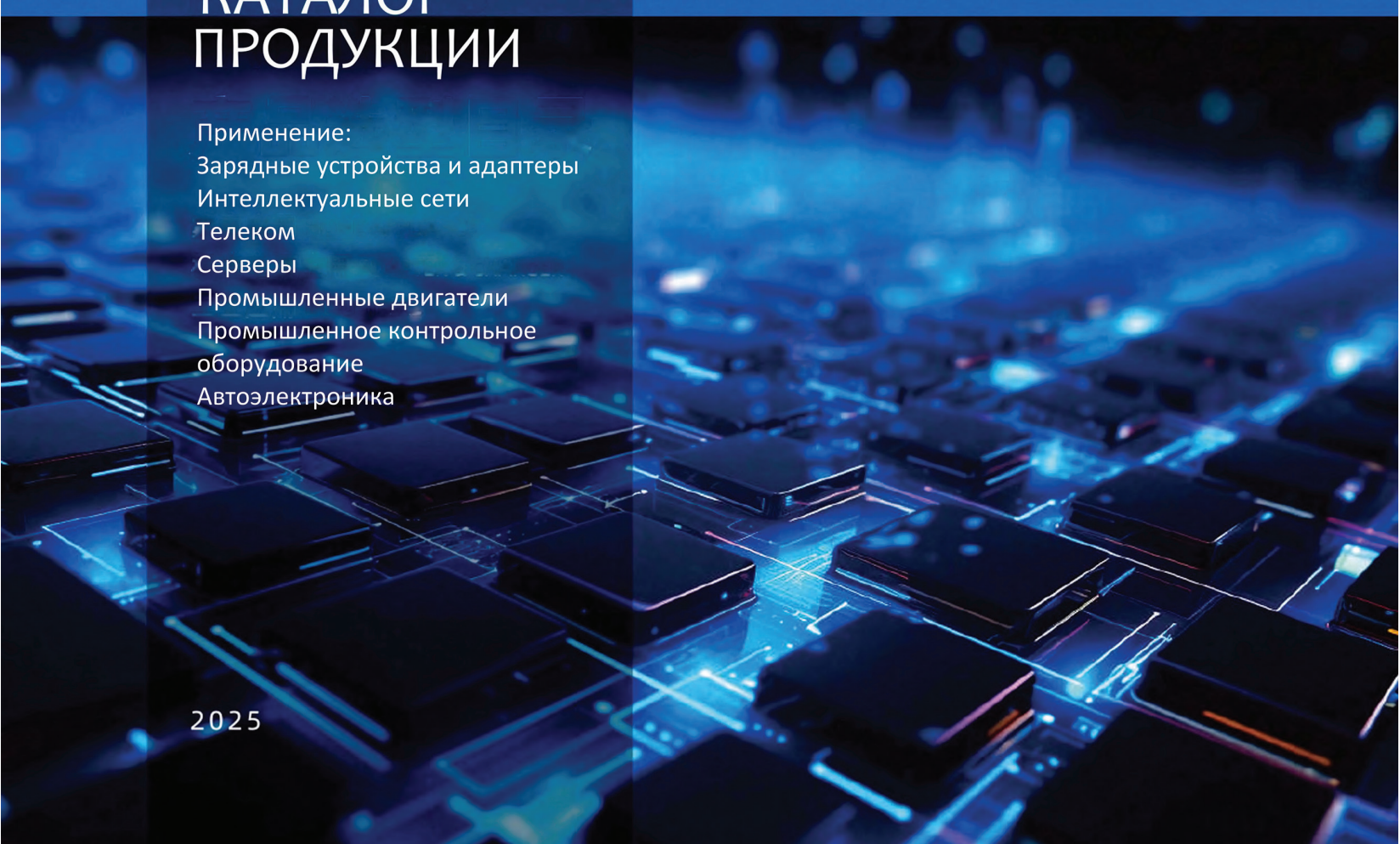
Применение:
Зарядные устройства и адаптеры
Интеллектуальные сети
Телеком
Серверы
Промышленные двигатели
Промышленное контрольное
оборудование
Автоэлектроника



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ПЛАТАН

2025



Chipown

High Performance Power Semiconductor

О КОМПАНИИ

Chipown - это высокотехнологичное предприятие, специализирующееся на исследованиях и разработках силовых полупроводников. Главная линия продукции включают в себя аналоговую/цифровую архитектуру AC-DC, DC-DC, IC драйверов, силовых дискретов и т. д. Компания неоднократно была отмечена национальными государственными наградами КНР в области науки и техники за достижения в разработке и производстве однокристалльных микросхем питания на 700В и на 1200В, драйверов полумоста на 1200В и т.д.



ПУБЛИЧНАЯ КОМПАНИЯ

биржевой код

688508

В июле 2020 года наша компания вышла на Шанхайскую фондовую биржу, биржевое наименование: Chipown, биржевой код: 688508.

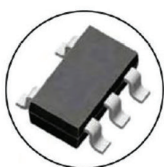
Компания планирует заняться разработками в технологических областях новых компонентов, высокомощных чипов тока и чип-модулей промышленных драйверов; энергично привлекать выдающиеся таланты; разрабатывать более качественные и разнообразные продукты для формирования большей привлекательности для клиентов.

Линейки продукции



AC-DC

- ▶ HV-Buck
- ▶ Fly-back
- ▶ SR
- ▶ PFC
- ▶ X-cap Discharge



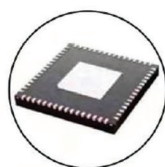
DC-DC

- ▶ Buck
- ▶ Boost
- ▶ Buck-Boost
- ▶ Fly-back
- ▶ Switch



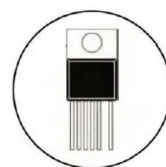
Driver

- ▶ BDC Motor Driver
- ▶ BLDC Motor Driver
- ▶ Stepping Motor Driver
- ▶ Half-Bridge Driver
- ▶ H/L Gate Driver
- ▶ ISO Driver



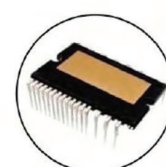
Digital PMIC

- ▶ Fast Charge Protocols Controller
- ▶ Digital PFC/LLC
- ▶ Multiple Phase Controllers
- ▶ Digital PMU



Power Device

- ▶ SmartMOS (VDMOS/SGT/Sj) Super Junction
- ▶ MOS
- ▶ IGBT
- ▶ NeoGaN
- ▶ SiC



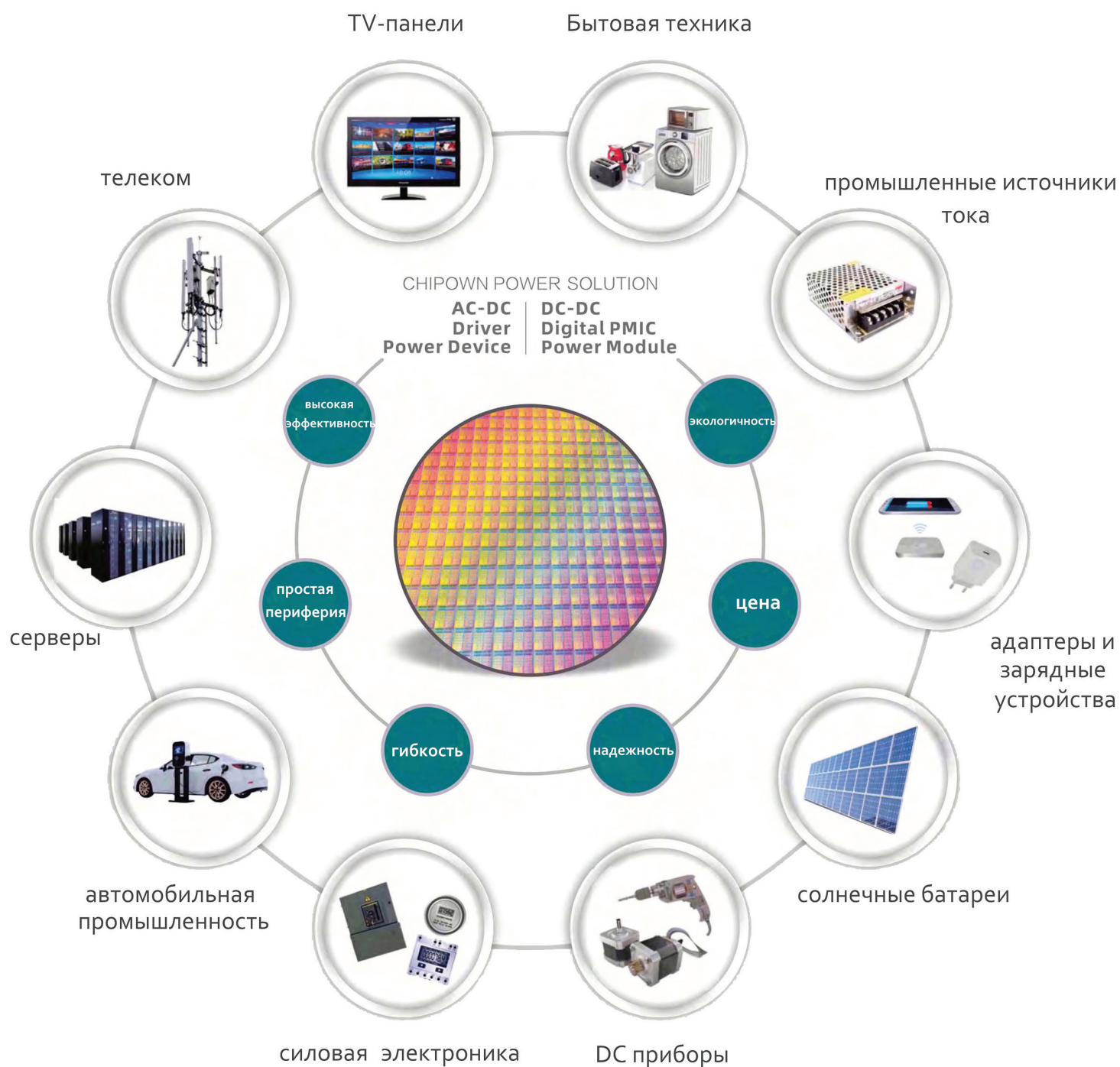
Power Module

- ▶ IPM
- ▶ PIM
- ▶ Dr.MOS

Продукция является **pin-to-pin** аналогами популярных микросхем питания **STM** (включая серию **Viper**), **Infineon**, **TI**, **onsemi**, **Power Integration**, **MPS**, **Maxim** и др.

Годовой объём поставок превышает 1 миллион микросхем

ПРИМЕНЕНИЕ



AC-DC Non-isolated SMPS Converter

Product	Character	SW Voltage	Standby Power	R _{DS(on)}	VDD Operation Voltage	Output Power	Idlimt	Package	Note
AP8503	CV Buck/Buck-boost Converter	650V	<100mW	50Ω	-	3.3V,0.2A	0.265A	SOP7	Output 3.3V
AP8504	CV Buck/Buck-boost Converter	650/730V(D)	<50mW	50Ω/32Ω	-	5V,0.08A	0.265A/0.24A(D)	SOP7	Output 5V
AP8505	CV Buck/Buck-boost Converter	650V	<50mW	25Ω	-	5V,0.2A	0.33A	DIP7/SOP7	Output 5V
AP8506	CV Buck/Buck-boost Converter	650V	<50mW	14Ω	-	5V,0.3A	0.45A	SOP7	Output 5V
AP8507	CV Buck/Buck-boost Converter	650V	<50mW	25Ω	-	12V,0.15A	0.36A	SOP7	Output 12V
AP8003	CV Buck/Buck-boost Converter	500V	<50mW	25Ω	-	5V,0.15A	0.335A	SOT23-5L/ SOT33-4L/TO-92	Output 5V
PN8004	CV Buck/Buck-boost Converter	650V	<100mW	25Ω	-	5V,0.15A	0.33A	SOP7	Output 5V
PN8007	CV Buck/Buck-boost Converter	650V	<100mW	25Ω	-	5V,0.15A	0.33A	SOP8	Output 5V
PN8008	CV Buck/Buck-boost Converter	650V	<100mW	25Ω	-	5V,0.3A	0.49A	DIP8/SOP8/SOP4	Output 5V
PN8009	CV Buck/Buck-boost Converter	650V	<100mW	3.6Ω	-	5V,0.5A	1.2A	SOP8	Output 5V
PN8015	CV Buck/Buck-boost Converter	800V	<100mW	18Ω	10~16V	5V,0.2A	0.40A	DIP7/SOP7	Output 3.3~24V
PN8016	CV Buck/Buck-boost Converter	800V	<100mW	10Ω	10~16V	5V,0.3A	0.55A	SOP7	Output 3.3~24V
PN8018	CV Buck/Buck-boost Converter	650V	<100mW	8Ω	10~24V	12V,0.4A	0.67A	SOP7	Output 12V
PN8034	CV Buck/Buck-boost Converter	650V	<100mW	13.5Ω	10~24V	12V,0.3A	0.59A	DIP7/SOP7	Output 12V
PN8035	CV Buck/Buck-boost Converter	650V	<100mW	5Ω	10~30V	12V,0.45A	1A	SOP8/DIP8	Output 12V
PN8036	CV Buck/Buck-boost Converter	650V	<100mW	3.6Ω	10~24V	12V,0.5A	1.10A	DIP7	Output 12V
PN8037	CV Buck/Buck-boost Converter	650V	<100mW	3Ω	10~24V	12V,0.55A	1.3A	DIP7	Output 12V
PN8038	CV Buck/Buck-boost Converter	650V	<100mW	2Ω	10~24V	12V,0.6A	1.70A	DIP7/SOP8	Output 12V
PN8039	CV Buck/Buck-boost Converter	650V	<100mW	2Ω	10~30V	12V,0.7A	2.5A	DIP8/SOP8	Output 12V
PN8044	CV Buck/Buck-boost Converter	650V	<100mW	13.5Ω	10~24V	18V,0.3A	0.58A	DIP8	Output 18V
PN8046	CV Buck/Buck-boost Converter	650V	<100mW	3.6Ω	10~24V	18V,0.5A	1.10A	DIP8	Output 18V
PN8048	CV Buck/Buck-boost Converter	650V	<100mW	2Ω	10~24V	18V,0.6A	1.65A	DIP8	Output 18V
PN8052H	CV Buck/Buck-boost Converter	800V	<100mW	18Ω	11~20V	15V,0.25A	0.5A	SOP8	Output 15V
PN8054	CV Buck/Buck-boost Converter	650V	<100mW	13.5Ω	11~20V	15V,0.3A	0.6A	SOP7	Output 15V
PN8054P	CV Buck/Buck-boost Converter	650V	<100mW	4.5Ω	11~20V	15V,0.5A	0.6A	SOP8/DIP8	Output 15V
PN8058P	CV Buck/Buck-boost Converter	650V	<100mW	1.5Ω	11~20V	15V,0.8A	2.1A	DIP7	Output 15V
PN6006	CV Buck/Buck-boost Converter	200V	<100mW	3.0Ω	10~20V	5V,0.5A	1.10A	SOP7	Output 5V
PN6008	CV Buck/Buck-boost Converter	200V	<100mW	0.6Ω	10~20V	5V,1A	2.65A	SOP7	Output 5V
PN6055	CV Buck/Buck-boost Converter	200V	<100mW	3.0Ω	10~17V	15V,0.3A	0.75A	SOP7	Output 15V
PN6056	CV Buck/Buck-boost Converter	200V	<100mW	1.8Ω	10~17V	15V,0.5A	0.95A	SOP7	Output 15V
PN6360H	High Performance Non-isolated PFM converter	800V	<5mW	4.5Ω	10~30V	20W	1.2A	SOP8	Miniature Circuit Breaker
PN8000	HV Offline Inductor-less High-precision Regulator	800V	<50mW	14Ω	20V	- 5V,0.025A	-	DIP7/SOP7	Output - 5V
PN8001	HV Offline Inductor-less High-precision Regulator	800V	<50mW	14Ω	20V	5V,0.025A	-	DIP8/SOP8	Output 5V
PN1000	AC zero-cross detection Converter	700V	<50mW	-	-	-	-	SOT23-6	-
PN8515L	CV Buck/Buck-boost Converter	100V	<100mW	15mΩ	10~30V	12V,6A	13A	SOP8/PP	Output 12V

AC-DC PSR SMPS Converter

Product	Character	SW Voltage	Standby Power	R _{DS(on)}	VDD Operation	Output Power	CC/CV precision	Package	Note
PN6775	CC/CV PSR Converter	650V	<50mW	13Ω	10~30V	6W	±5%	SOP8	Home
PN6775H	CC/CV PSR Converter	800V	<50mW	10Ω	10~30V	6W	±5%	SOP8/DIP8	Home
PN6780	CC/CV PSR Converter	650V	<50mW	3.5Ω	10~30V	12W/15W	±5%	SOP8/DIP8	Home
PN6780H	CC/CV PSR Converter	800V	<50mW	3.5Ω	10~30V	12W/15W	±5%	SOP8/DIP8	Home
PN6795B	CC/CV PSR Converter	650V	<50mW	2.5Ω	10~30V	22W	±5%	DIP8	Home
PN6795C	CC/CV PSR Converter	650V	<50mW	2.1Ω	10~30V	24W	±5%	DIP8	Home
PN6795D	CC/CV PSR Converter	650V	<50mW	1.6Ω	10~30V	28W	±5%	DIP8	Home
PN8680U	CC/CV PSR Converter	650V	<50mW	4.5Ω	10~30V	12W	±5%	SOP8	Adapter
PN8680F	CC/CV PSR Converter	650V	<50mW	3.6Ω	10~30V	12W	±5%	SOP8	Adapter
PN8680H	CC/CV PSR Converter	650V	<50mW	2Ω	10~30V	18W	±5%	SOP8	Adapter
PN8680T	CC/CV PSR Converter	650V	<50mW	1.6Ω	10~30V	18W	±5%	SOP8	Charger/Adapter
PN8390	CC/CV PSR Converter	650V	<50mW	1.6Ω	10~30V	18W/24W	±5%	DIP8/SOP8	Charger/Adapter
PN6367	CC/CV PSR Converter	680V	<5mW	4.5Ω	10~30V	20W	±5%	SOP7	Automatic Reclosing Protector
PN6367P	CC/CV PSR Converter	680V	<5mW	2Ω	10~30V	60W	±5%	SSOP10	Automatic Reclosing Protector
PN6370M	CC/CV PSR Converter	690V	<50mW	13.5Ω	10~30V	5W	±5%	SOP7	Charger/Adapter
PN6370H	CC/CV PSR Converter	690V	<50mW	2Ω	10~30V	18W	±5%	DIP7	Charger/Adapter
PN6370P	CC/CV PSR Converter	690V	<50mW	2.5Ω	10~30V	12W/15W	±5%	SOP7/DIP7	Charger/Adapter
PN6392	CC/CV PSR Converter	650V	<50mW	1Ω/0.5Ω	10~30V	30W/36W	±5%	SOP8	Adapter
PN8570M	CC/CV PSR Converter	800V (V _{CEO})	<75mW	-	10~30V	5W	±5%	SOP7	BO/AC Line OVP
PN8575P	CC/CV PSR Converter	800V (V _{CEO})	<75mW	-	5~20V	12W	±5%	SOP8	BO
PN8577	CC/CV PSR Converter	800V (V _{CEO})	<75mW	-	4.5~21V	18W	±5%	SOP8	Charger/Adapter
PN8580	CC/CV PSR Converter	650V	<75mW	3.0Ω	10~30V	12W	±5%	SOP8	Charger/Adapter

AC-DC Isolated SSR SMPS Converter

Product	Character	SW Voltage	Standby Power	R _{DS(on)}	Adapter Output Power	Open Frame Output Power	Frequency	Package	VDD Operation Voltage
PN8080	DC-DC converter	200V	<150mW	1.5Ω	6W	8W	100kHz-1.5MHz	DFNWB4*4-8L SOP8	7.6~16V
PN8081	DC-DC converter	200V	<150mW	0.7Ω	10W	12W	100kHz-1.5MHz	DFNWB4*4-8L SOP8	7.6~16V
PN8085	Low Standby-Power Off-line PWM Converter	800V	<30mW	19Ω	4W	5W	30/60/115kHz	SSOP10/DIP7	9~23V
PN8089	Low Standby-Power Off-line PWM Converter	800V	<30mW	12Ω	7W	10W	30/60/115kHz	SSOP10	9~23V
AP8012H	PWM Converter	800V	<150mW	18Ω	6W	8W	45kHz	DIP8/SOP8	9~35V
AP8022H	PWM Converter	800V	<150mW	10Ω	10W	12W	60kHz	DIP8/SOP8	9~35V
PN8136	Low Standby-Power Off-line PWM Converter	800V	<30mW	4.5Ω	10W	12W	115kHz	SOP16	9~24V
PN8136W	Low Standby-Power Off-line PWM Converter	800V	<30mW	4.5Ω	10W	12W	110kHz	SOP16	9~23.5V
PN8137	Low Standby-Power Off-line PWM Converter	650V	<50mW	3.6Ω	15W	18W	60kHz	DIP7	9~24V
PN8141	Low Standby-Power Off-line PWM Converter	650V	<50mW	3.6Ω	12W	18W	100kHz	DIP7	9~29V
PN8143T	Low Standby-Power Off-line PWM Converter	1000V	<50mW	10Ω	6W/8W	6W/8W	60kHz	SOP8/DIP7	9~24V
PN8145T	Low Standby-Power Off-line PWM Converter	1200V	<50mW	8Ω	8W	10W	60kHz	DIP7	9~24V
PN8147	Low Standby-Power Off-line PWM Converter	650V	<50mW	3.6Ω	12W	18W	60kHz	DIP7	9~24V
PN8147H	Low Standby-Power Off-line PWM Converter	800V	<50mW	4.5Ω	12W	18W	60kHz	DIP8	9~24V
PN8147T	Low Standby-Power Off-line PWM Converter	1100V	<50mW	6Ω	10W	13W	60kHz	DIP7	9~24V
PN8149	Low Standby-Power Off-line PWM Converter	800V	<50mW	4.6Ω	24W	28W	125kHz	SOP12	9~23V
PN8149H	Low Standby-Power Off-line PWM Converter	800V	<50mW	2.5Ω	18W	30W	60kHz	DIP8	9~24V
PN8149T	Low Standby-Power Off-line PWM Converter	1100V	<50mW	2Ω	18W	24W	60kHz	DIP8	9~24V
PN8150V	Low Standby-Power Off-line PWM Converter	800V	<50mW	2Ω	28W	35W	125kHz(Max.)	SOP12	12~22V
PN8151V	Low Standby-Power Off-line PWM Converter	800V	<55mW	2.2Ω	-	15W	500kHz(Max.)	SSOP10	9~56V
PN8153V	Low Standby-Power Off-line PWM Converter	800V	<50mW	1.2Ω	34W	45W	125kHz(Max.)	SOP12	12~22V
PN8155V	Low Standby-Power Off-line PWM Converter	800V	<50mW	0.6Ω	40W	55W	125kHz(Max.)	SOP12	12~22V
PN8161	Low Standby-Power Off-line PWM Converter	690V	<50mW	1.6Ω	18W / 24W	-	125kHz(Max.)	DIP8/SOP8	10~38V
PN8162	Low Standby-Power Off-line PWM Converter	690V	<50mW	1.6Ω	25W / 30W	-	125kHz(Max.)	PDFN5*6/SOP12	10~38V
PN8165	Low Standby-Power Off-line PWM Converter	650V	<50mW	0.5Ω	36W	-	125kHz(Max.)	PDFN5*6/SOP8	10~38V
PN8166	Low Standby-Power Off-line PWM Converter	650V	<50mW	0.6Ω/0.3Ω	36W / 45W	-	125kHz(Max.)	SSOP10	9~57V
PN6661H	Low Standby-Power Off-line PWM Converter	800V	<50mW	2.5Ω	18W	30W	60kHz	DIP7	9~24V
PN8732	AC/DC Converter with Internal Self-Supply Circuit	800V	<100mW	2.8Ω	15W	20W	100kHz	DIP7	5~7V
PN8733	AC/DC Converter with Internal Self-Supply Circuit	800V	<100mW	2Ω	18W	24W	100kHz	DIP7/SMP7	10~29V
PN8173	AC/DC Converter with Internal Self-Supply Circuit	800V	<50mW	10Ω	5W	5W	124kHz	SOP7/DIP7	10~18V
PN8175	AC/DC Converter with Internal Self-Supply Circuit	800V	<50mW	5Ω	8W	8W	124kHz	SOP7/DIP7	10~18V
PN8177	AC/DC Converter with Internal Self-Supply Circuit	800V	<50mW	2.5Ω	10W	10W	124kHz	DIP7	10~18V
PN8775P	AC/DC Converter with Internal Self-Supply Circuit	750V	<50mW	19Ω	6W	8W	124kHz	DIP7/SOP7/SMP7	5.6~7V
PN8776	AC/DC Converter with Internal Self-Supply Circuit	750V	<50mW	13Ω	7W	9W	124kHz	DIP7/SOP7/SMP7	5.6~7V
PN8777	AC/DC Converter with Internal Self-Supply Circuit	750V	<50mW	6.4Ω	8W	10W	124kHz	DIP7/SOP7/SMP7	5.6~7V
PN8778	AC/DC Converter with Internal Self-Supply Circuit	750V	<50mW	4.6Ω	10W	12W	124kHz	DIP7/SOP7/SMP7	5.6~7V
PN8779	AC/DC Converter with Internal Self-Supply Circuit	750V	<50mW	3.7Ω	12W	15W	124kHz	DIP7/SOP7/SMP7	5.6~7V
PN8770	AC/DC Converter with Internal Self-Supply Circuit	750V	<50mW	2Ω	15W	20W	124kHz	DIP7/SOP7/SMP7	5.6~7V
PN8192C	AC/DC Converter with Internal Self-Supply Circuit	800V	<100mW	22Ω	4.5W	5.5W	124kHz	DIP7/SOP7	5~7V
PN8700	High performance Multi-mode AC-DC Controller	1700V	<75mW	1.0Ω	36W	45W	85kHz	DIP7	9~37V
PN8712HV	Fixed Frequency Multi-mode AC-DC Converter	800V	<75mW	2.8Ω	-	16W	100kHz	DIP7	12~24V
PN8713HV	Fixed Frequency Multi-mode AC-DC Converter	800V	<75mW	1.2Ω	-	29W	100kHz	DIP7/SOP12	12~24V
PN8715HV	Fixed Frequency Multi-mode AC-DC Converter	800V	<75mW	0.6Ω	-	40W	100kHz	DIP7/SOP12	12~24V
PN8077	Low Standby-Power Off-line PWM Converter	800V	<55mW	2.0Ω	18W	24W	100kHz	DIP7/SMP7	9~29.5V
PN8782	High Frequency Quasi-Resonant AC-DC Converter	650V/700V	<55mW	1.0Ω/0.47Ω	20W/30W	-	280kHz	SOP7/PP	8~56V
PN8783	High Frequency Quasi-Resonant AC-DC Converter	650V/700V	<55mW	0.165Ω	65W	-	280kHz	SOP10/PP QFNWB6*8-40L	8~56V
PN8757	Low Standby-Power Off-line PWM Converter	800V	<100mW	1.8Ω	30W/35W	-	130kHz	DIP12/PP SOP12/PP	-

AC-DC Isolated SSR SMPS Controller

Product	Character	Standby Power	Start-up Current	VDD Operation	Protection	Output Power	Frequency	Package	Note
AP8262V	PWM Controller	-	1mA	7.6~30V	34V	-	500kHz	SOP8	-
AP8262VC	PWM Controller	-	0.1mA	7.6~30V	34V	-	500kHz	SOP8	-
AP8260Q	PWM Controller	-	0.1mA	3.5~40V	40V	-	1MHz	MSOP8	Soft-start
AP8265W	PWM Controller	<50mW	4uA	10~18V	26V	<200W	200kHz(Max.)	SOP8	-
AP8267	PWM Controller	<100mW	2uA	8~26V	27V	<70W	65kHz	SOT23-6	-
AP8268	PWM Controller	<75mW	2uA	10~26V	30V	<70W	65kHz	SOT23-6	-
AP8270	PWM Controller	<100mW	4uA	10~26V	28V	<70W	100kHz	SOT23-6	-
AP8271	PWM Controller	<100mW	4uA	7.5~26V	28.5V	<100W	100kHz	SOT23-6	-
PN8272	PWM Controller	<50mW	- 3mA	9~35V	40V	<120W	65kHz	SOP7	HV Start-up
PN8273	PWM Controller	<50mW	- 1.5mA	10~40V	40V	<120W	65kHz	SOP7	HV Start-up
PN8275	PWM Controller	<50mW	- 1.5mA	10~40V	40V	<120W	65kHz	SOP7	HV Start-up
PN8276W	PWM Controller	<55mW	350uA	2.5~42V	44V	<65W	85kHz	SSOP10	-
PN8211	PWM Controller	<50mW	- 1.4mA	8~57V	60V	<200W	110kHz	SOP7	-
PN8212	PWM Controller	<50mW	- 1.0mA	9~57V	60V	<150W	200kHz(Max.)	SOP7	HV Start-up
PN8213	PWM Controller	<50mW	- 3mA	9~56V	60V	<150W	500kHz(Max.)	SSOP10	-
PN8218	PWM Controller	<50mW	3uA	7~63V	63V	<200W	120kHz	SOT23-6	CCM+QR
PN8215	PWM Controller	<75mW	350uA	8~55V	57V	<200W	105kHz	SSOP10	-

AC-DC Synchronous Rectification

Product	Character	BV	Ros(on)	Standby Power	Max VDD Operation Voltage	Output Power	Operation Mode	Package	Note
PN8306H	SR Converter	40V	8mΩ	2mW	6.5V	5V, 3.4A	DCM	SOP8	Charger
PN8306M	SR Converter	40V	15mΩ	2mW	6.5V	5V, 2.4A	DCM	SOP8-PP/SOP8	Charger
PN8306L	SR Converter	40V	24mΩ	2mW	6.5V	5V, 2A	DCM	SOP8	Charger
PN8307H	SR Converter	60V	12mΩ	3mW	20V	5~12V, 3A	DCM	SOP8	Charger
PN8307M	SR Converter	60V	20mΩ	3mW	20V	5~12V, 2.4A	DCM	SOP8	Charger
PN8307P	SR Converter	95V	8mΩ	3mW	28V	3.3~28V	DCM/QR	PDFN5*6/SOP8	Charger
PN8308H	SR Converter	80V	10mΩ	5mW	20V	12V, 3.5A	DCM/CCM	SOP8	Adapter
PN8308M	SR Converter	80V	20mΩ	5mW	20V	12V, 2.5A	DCM/CCM	SOP8	Adapter
PN8309H	SR Converter	100V	10mΩ	8mW	20V	3.3~20V, 3A	DCM/CCM	PDFN5*6/SOP8	Charger/Adapter
PN8309M	SR Converter	80V	16mΩ	8mW	24V	9~12V, 2.5A	DCM/CCM	SOP8	Adapter
PN8601	SR Controller	120V	-	5mW	20V	3.3~20V	DCM/CCM/QR	SOT23-6L	Charger/Adapter
PN8604V	SR Controller(LLC)	220V	-	2.7mW	35V	9~35V	DCM/CCM	SOP8	Charger/Industrial

PFC

Product	Character	Driver	Standby Power	Maximum Frequency	VDD Operation	Output Power	CC/CV precision	Package	Note
PN8280	COT PFC Controller	MOS	<75mW	<135mW	9V~50V	90W~350W	-	SOP8	-
PN8286W	COT PFC Controller	MOS	<300mW	<270mW	11V~35V	140W~350W	-	SOP8	-

X Capacitor Discharge IC - X

Product	Character	Total X Capacitance	Total Series Resistance	BV	Supply Current	Output Power	Frequency	Package	Note
PN8200	X Capacitor Discharge	100nf to 6μF	1.5MΩ to 130kΩ	1000V	15uA	-	-	SOP8	-
PN8201	X Capacitor Discharge	100nf to 6μF	1.5MΩ to 130kΩ	1000V	15uA	-	-	SOP8	-

Boost DC-DC IC

Product	Character	Maximum Efficiency	Operating Voltage	Quiescent Iq	Output Voltage	Output Versions	Accuracy	Package	Cross Reference
AP2000A	1MHz 850mA Synchronous PWM	92%	0.85~5.0V	300μA	2.5~5.0V	Adj 3.0V/3.3V	±3%	SOT23-6L	-
AP2001	1MHz 850mA Synchronous PWM	92%	0.85~5.0V	300μA	2.5~5.0V	Adj 3.0V/3.3V	±3%	SOT23-6L	-
AP2002	1.2MHz 850mA Synchronous PWM	92%	1.1~5.5V	30μA	2.5~5.5V	Adj	±2%	SOT23-6L	-
AP2004H	1MHz 3A Asynchronous PWM	92%	2.5~5.5V	100μA	3.2~5.3V	Adj	±2%	SOT23-6L	-
AP2005	1MHz 4.5A Asynchronous PWM	92%	2.5~5.5V	100μA	3.2~7V	Adj	±2%	SOP8/PP	-
AP2007	500kHz 6.5A Synchronous PWM	96%	2.5~5.0V	70μA	3.2~5.3V	Adj	±2%	SOP8/PP	-
AP2008	1MHz 2A Asynchronous PWM	92%	3~25V	100μA	4~25V	Adj	±2%	SOT23-6L	-
AP2203	300kHz 800mA Synchronous PFM	95%	0.8~5.0V	15μA	2.5~5.0V	2.8V/3.0V/3.1V/3.3V/3.6V/5.0V/etc	±2.5%	SOT23-3L SOT23-5L	-
AP2104B	400kHz, Regulated Charge Pump DC/DC Converter	81%	2.5~5.5V	0.65mA	5V	5V	±4%	SOT23-6L	-

Buck DC-DC IC

Product	Character	Maximum Efficiency	Operating Voltage	Quiescent Iq	Output Voltage	Output Versions	Accuracy	Package	Cross Reference
APS2408	1.5MHz, 800mA Synchronous PWM	96%	2.5~6.5V	300μA	0.6~5.0V	Adj	±2%	SOT23-5L	-
APS2410	1.5MHz, 1A Synchronous PWM	96%	2.5~6.5V	300μA	0.6~5.0V	Adj	±2%	SOT23-5L	-
APS2415	1.5MHz, 1.5A Synchronous PWM	96%	2.5~6.5V	300μA	0.6~5.0V	Adj	±2%	SOT23-5L	-
APS2420	1MHz, 2A Synchronous PWM	97%	2.5~6.0V	60μA	0.6~5.0V	Adj	±2%	SOT23-5L/SOT23-6L DFN3*3-10/MSOP-10EP	-
APS2421	1MHz, 2A Synchronous Step-Down Converter with Fast Transient	97%	2.5~6.0V	60μA	0.6~5.0V	Adj	±2%	SOT23-5L/SOT23-6L DFN3*3-10/MSOP-10EP	-
AP2970	500kHz 2A Synchronous PWM	95%	4.5~18V	400μA	0.6~13V	Adj	±2%	SOT23-6L	-
AP2971	500kHz 3A Synchronous PWM	95%	4.5~18V	400μA	0.6~13V	Adj	±2%	SOT23-6L	-
AP2972	500kHz 2A Synchronous PWM	95%	4.5~18V	400μA	0.6~13V	Adj	±2%	SOT23-6L	-
AP2973	500kHz 3A Synchronous PWM	95%	4.5~18V	400μA	0.6~13V	Adj	±2%	SOT23-6L	-
AP2905	100kHz 0.7A Synchronous PWM	92%	6~40V	300μA	5V	5V	±2%	SOT23-5L	-
AP2906	230kHz 1.5A Synchronous PWM	92%	8~26V	300μA	5V	5V	±2%	SOT23-5L/SOP8	-
AP2900	100kHz 0.7A Synchronous PWM	93%	6~40V	300μA	2~12V	Adj	±2%	SOT23-5L	-
AP2903	100kHz 0.7A Synchronous PWM	93%	6~40V	300μA	3.3V	3.3V	±2%	SOT23-5L	-
AP2931	230kHz 0.7A Synchronous PWM	92%	7~40V	300μA	5V	5V	±2%	SOT23-6L	-
AP2850	100kHz~1MHz Synchronous Buck DC/DC	97%	6~75V	300μA	0.8~60V	Adj	±1%	QFNWB3.5*4.5-20L	-

DC-DC Module

Product	Character	Maximum Efficiency	Operating Voltage	Quiescent Iq	Output Voltage	Output Versions	Accuracy	Package	Cross Reference
AP9510	40V0.7A Power Module	90%	8~40V	300μA	5V	5V	±2%	TO-220-3L TO-263-2L	-
AP9512	26V1.5A Power Module	90%	8~26V	300μA	5V	5V	±2%	TO-220-3L TO-263-2L	-

Car Charger IC

Product	Character	Maximum Efficiency	Operating Voltage	Quiescent Iq	Output Voltage	Output Versions	Accuracy	Package	Cross Reference
AP2962	230kHz 3A Asynchronous PWM with EN	91%	8.0~40V	2.5mA	0.808~12V	Adj	±2%	S08-EP	-
AP2962B	230kHz 3A Asynchronous PWM with EN	91%	8.0~40V	2.5mA	0.808~12V	Adj	±2%	SOP8	-
AP2960	350kHz 30V 2.4A Synchronous CV/CC Step-Down Converter	94%	6~30V	2.5mA	0.808~12V	Adj	±2%	SOP8/PP	-
AP2960A	133kHz 30V 3A Synchronous CV/CC Step-Down	94%	6~30V	2.5mA	0.808~12V	Adj	±2%	SOP8/PP	-
AP2965	130kHz 40V 4.2A Synchronous CV/CC Step-Down Converter	96%	6~40V	0.5mA	3.4~16.5V	Adj	±2%	S08-EP	-
AP2965A	130kHz 40V 4.2A Synchronous CV/CC Step-Down Converter with Input OVP	96%	6~40V	0.5mA	3.4~16.5V	Adj	±2%	SOP8/PP	-

Battery Charger IC

Product	Character	Operating Voltage	Output Voltage	Quiescent Iq	Iq in Shutdown	Output Current	Ibattery Radio	Package	Cross Reference
AP5056	Linear Constant Current/Voltage	4.25~6.5V	4.2V	350μA	50μA	800mA	1000	S08-EP	-
AP5057	Linear Constant Current/Voltage	4.25~6.5V	4.2V	350μA	50μA	1000mA	1000	SOP8/PP	-
AP5054B	Linear Constant Current/Voltage	4.25~6.5V	4.2V	350μA	30μA	500mA	1000	SOT23-5L	-
AP5054H	Linear Constant Current/Voltage	4.25~20V	4.2V	350μA	180μA	500mA	1000	SOT23-5L SOT23-6L	-
AP5056H	Linear Constant Current/Voltage	4.25~20V	4.2V	350μA	180μA	1000mA	1000	SOP8/PP	-

LED Backlight IC • LED

Product	Character	Typical Efficiency	Operating Voltage	Quiescent Iq	Output Vopltage	Iq in Shutdown	SW Current Limit	Package	Cross Reference
AP3128A	1MHz OVP Asynchronous PWM	92%	2.5~5.5V	400μA	Up to 36V	1μA	1.2A	SOT23-6L DFN-8L 2x2	-
AP3129A	1MHz OVP Asynchronous PWM	92%	2.5~5.5V	400μA	Up to 36V	1μA	1.2A	SOT23-6L DFN-8L 2x2	-
AP3127B	1MHz OVP Asynchronous PWM	88%	2.5~6V	550μA	Up to 25V	1μA	1A	SOT23-6L	-
AP3130	1MHz OVP Asynchronous PWM	92%	2.5~5.5V	400μA	Up to 36V	1μA	1.5A	SOT23-6L	-
AP3160	120kHz Boost Controller for LED Driver	95%	9~35 V	800μA	-	175μA	VCS=400mV (set by CS voltage)	SOP8	-
AP3161	120kHz Boost Controller for LED Driver	95%	9~35 V	800μA	-	175μA	VCS=400mV (set by CS voltage)	SOP8	-
AP3162	4CH High Performance LED Driver	95%	9~30 V	6mA	-	20μA	VCS=380mV (set by CS voltage)	SOP16-PP TSOP16-PP	-
AP3163	120kHz Boost Controller for LED Driver	95%	9~35 V	800μA	-	175μA	VCS=400mV (set by CS voltage)	SOT23-6L	-
AP3164	High Performance Buck LED Driver	95%	9~30 V	1.1mA	-	20μA	VCS=0.8V (set by CS voltage)	SOP8	-
AP3168A	4CH High Performance LED Driver	-	7~30 V	2.2mA	-	50μA	-	SOP16	-
AP3168L	1CH High Performance LED Driver	-	9~30 V	2.2mA	-	50μA	-	SOP8	-
AP3190Q	Automotive P-FET Buck Controller for High-Power LED Drivers	92%	6~36V	0.9mA	-	66μA	VCST=246mV (set by IADJ voltage)	MSOP10/PP	-

OVP & Current Limiter IC - P

Product	Character	Operating Voltage	Current Limit	Operating Current	Quiescent Iq	Iq in Shutdown	Rdson	Package	Cross Reference
AP1610	Programmable Power Switches	2.4~5.5V	130mA~1400mA	-	9μA	<1μA	200 mΩ	SOT23-5L	-
AP1621	Power Switches with Flag	2.5~5.5V	2.1A/1.5A/ 1A/0.65A	1.5A/1A/ 0.8A/0.5A	25μA	<1μA	80mΩ	SOT23-5L UDFN1.8*2.0-6L	-
AP1625	Power Switches with Flag	2.7~5.5V	1.8A/2.75A/ 3.2A	1.5A/2.1A/ 2.5A	25μA	<1μA	55mΩ	SOT23-5L	-
AP1801	Dual Fast Turn on Load Switch	2.7~5.6V	-	4A	100μA	<1μA	21mΩ	DFN3*2-14L	-
AP1821	Over Voltage Protection Switches	3.6~30V	6.1V	1.7A	150μA	100ns	180mΩ	SOT23-6L	-
AP1822	Over Voltage Protection Switches	3.6~29V	6.1V	2.5A	200μA	100ns	90mΩ	SOT23-6L	-

High Power White LED Driver IC

Product	Character	Typical Efficiency	Operating Voltage	Quiescent Iq	Iq in Shutdown	Output Current	LED Current Control	Package	Cross Reference
AP2210B	1.0MHz OVP 3W LED Asynchronous PWM	90%	0.9~6.5V	1mA	1μA	<0.8A	Auto adjust (Type Vfb=95mV)	SOT23-6L	-
AP1205	2-Channel Linear LED Driver	-	12V	320μA	-	<1A	VCS=250mV (set by CS voltage)	SOP8-PP	-

Reset & Detect IC

Product	Character	Operating Voltage	Accuracy	Reset Threshold	Reset Voltage	Supply Current	Reset Timeout	Package	Cross Reference
AP0809	Delay Built-in	1.2~5.5V	±2%	2.63~4.63V	0.8V _{CC}	2μA	250ms	SOT23-3L	-

LDO IC

Product	Character	Operating Voltage	Output Voltage	Quiescent Iq	Output Current	Line Regulation	Dropout Voltage	Package	Cross Reference
AP1312	Ultra Low Dropout Voltage	1.2~5.5V	±1.5%	300μA	2A	0.05%	160mV @ 2A	S08-EP DFN-10	-
AP1313	Ultra Low Dropout Voltage	1.2~5.5V	±1.5%	300μA	3A	0.05%	230mV @ 2A	S08-EP DFN-10	-

Charger Protocol IC

Product	Character	Output Voltage	Output Current	CV	CC/OCP	Loadswitch	Emark	Package	Protocol
AP5811	Protocol Controller	3.3~21V	<3.25A	√	√	√	x	SOP8/PP SSOP10/PP	PD3.1/PPS/QC2.0/QC3.0/SCP/Apple2.4A
AP5814	Protocol Controller	3.3~21V	<4.00A	√	√	√	x	SOP8/PP	UFCS/QC2.0/SCP
AP5806	Protocol Controller	3.3~21V	<10.00A	√	√	√	√	QFN4*4-24	UFCS/PD3.1/PPS/QC2.0/SCP/Apple 2.4A

High Side & Low Side Gate Driver IC

Product	Character	V _{OFFSET} (max)	I _{O+/-} (typ.)	VCC Range	Ton/Off (typ.)	Deadtime (typ.)	OUT phase	Package	Cross reference
PN7011	High side and Low side Gate Drive	150V	4A/4A	9V~17V	30ns/30ns	-	LO/HO in phase with LI/HI	SOP8 DFN8	xx27211
PN7113	High and Low Side Driver	600V	3.0/4.0A	10V~20V	170&150ns	-	LO/HO in phase with LIN/HIN	SOIC16	-
PN7114	High side and Low side Gate Drive	600V	2.5A/2.5A	10V~20V	135ns/130ns	-	LO/HO in phase with LIN/HIN	SOP14	xx27714 xx21814
ID7S210AD	LVIC	200V	1A/1A	5V~20V	180ns/150ns	150ns	Single-Phase	SOP8	-
ID7S210ADD	LVIC	200V	1A/1A	5V~20V	180ns/150ns	150ns	Single-Phase	DFN2x3-8L	-
ID7S210BD	LVIC	200V	1A/1A	5V~20V	180ns/150ns	150ns	Single-Phase	SOP8	-
ID2005	LVIC	200V	1A/1A	6V~18V	150ns/110ns	300ns	Single-Phase	SOP8	-
ID2006	LVIC	200V	1A/1A	6V~18V	150ns/110ns	300ns	Single-Phase	SOP8	-
PN7213	Half-bridge Gate driver	1200V	2A/2.5A	12V~20V	135ns/135ns	-	LO/HO in phase with LIN/HIN	SOW-16	xxx2213

3-Phase Gate Driver IC

Product	Character	V _{OFFSET} (max)	I _{O+/-} (typ.)	Vin	Ton/Off (typ.)	Deadtime (typ.)	OUT phase	Package	Cross reference
ID7T0610AD	3-Phase Bridge Driver	60V	1A/1A	7V~15V	40ns/40ns	180ns	LO1,2,3/HO1,2,3 in phase with	QSOP24	-
ID2016	3-Phase Bridge Driver	200V	1A/1A	5V~20V	150ns/150ns	200ns	LO1,2,3/HO1,2,3 in phase with	TSSOP20	-
ID2018	3-Phase Bridge Driver	200V	1A/1A	5V~20V	150ns/150ns	200ns	LO1,2,3/HO1,2,3 in phase with	QSOP24	-
PN7335	3-Phase Bridge Driver	600V	200/350mA	10V~20V	540ns&540ns	300ns	LO1,2,3/HO1,2,3 in phase with	SOP28	-
PN7335M	3-Phase Bridge Driver	600V	200/350mA	10V~20V	540ns&540ns	300ns	LO1,2,3/HO1,2,3 in phase with	SOP28	-
PN7336	3-Phase Bridge Driver	600V	200/350mA	10V~20V	540ns&540ns	300ns	LO1,2,3/HO1,2,3 in phase with	SOP28	-

Isolated Gate Driver IC

Product	Character	I _{O+/-} (typ.)	VCC1	VCC2	Ton/Off (typ.)	Tr/f (typ.)	Deadtime (typ.)	Package	VISO
PN7901	Isolated Single Channel Gate Driver	5/5A	3.1V~20V	10V~20V	120/120ns	9/9ns	-	SOP8	2500V
PN7901M	Single-channel Isolated Gate driver w/ Miller clamp	5/5A	3.1V~24V	13V~24V	150/150ns	5/5ns	-	SOP8	3000V
PN7902M	Single-channel Isolated Gate driver w/ Miller clamp	5/5A	3.1V~20V	13V~20V	115/115ns	6/6ns	-	SOW8	5700V

Product	Character	I _{O+/-} (typ.)	VCC1	VCC2	T _{on/Off} (typ.)	T _{r/f} (typ.)	Deadtime(typ.)	Package	VISO
PN7902Q	Isolated Single Channel Gate Driver	5/5A	3.1V~20V	13V~20V	115/115ns	6/6ns	-	SOW8	5700V
PN7903	Opto-Compatible Single-Channel Isolated Driver	5.3/5.5A	7~16mA	14V~33V	65/65ns	5/5ns	-	SOP6(W)	5700V
PN7921	Dual-channel Isolated Gate driver	4/8A	3V~5.5V	9V~20V	39/39ns	7/7ns	Adj	SOP16 SOP16(W)	5700V
PN7922	Isolated Single Channel Gate Driver	4/8A	3V~5.5V	9V~20V	39/39ns	7/7ns	Adj	LGA-13	3000V

Brushed Motor Driver IC

Product	Character	V _{OFFSET} (max)	I _{O+/-} (typ.)	V _{in}	T _{PLH} /T _{PHL}	Deadtime (typ.)	I _{SLEEP}	Package	R _{dson} (H+L)
PN7703C	2-Phase Bridge Driver	9V	1.5A	1.8V~8V	100&100ns	250ns	100nA	DFN2x2 SOP8	0.8Ω
PN7703M	2-Phase Bridge Driver	9V	1.5A	1.8V~8V	100&100ns	250ns	100nA	SOP8	0.8Ω
PN7703L	2-Phase Bridge Driver	9V	1.5A	1.8V~8V	100&100ns	250ns	100nA	SOT23-6L	0.8Ω
PN7705	2-Phase Bridge Driver	32V	3A	6.5V~28V	1500ns	1000ns	100nA	SOP8	1Ω
PN7706	2-Phase Bridge Driver	36V	3A	2.7V~24V	900&900ns	350ns	10uA	SOP8-PP	0.6Ω
PN7707	2-Phase Bridge Driver	36V	3A	3V~24V	900&900ns	350ns	10uA	SOP8-PP	0.6Ω
PN7707B	2-Phase Bridge Driver	36V	3A	3V~24V	900&900ns	350ns	10uA	SOP8-PP	0.6Ω
PN7708B	2-Phase Bridge Driver	40V	3.5A	6.5V~38V	700&700ns	250ns	15uA	SOP8-PP	0.36Ω
PN7709	2-Phase Bridge Driver	40V	5A	6V~38V	700&700ns	250ns	10uA	SOP8-PP	0.12Ω

Stepper Motor Driver IC

Product	Character	V _{OFFSET} (max)	I _{O+/-} (typ.)	V _{in}	T _{PLH} /T _{PHL}	Deadtime (typ.)	I _{SLEEP}	Package	R _{dson} (H+L)
PN7711	4-Channel Low-Side Driver	32V	1.5A	3V~20V	800&800ns	350ns	100nA	SSOP24L	0.45Ω
PN7713	4-Phase Bridge Driver	20V	2A	2.7V~18V	900&900ns	350ns	10uA	TSSOP16-PP	0.5Ω
PN7715	4-Phase Bridge Driver	32V	1.5A	3V~20V	1400&1400ns	1000ns	100nA	SSOP10	1Ω
PN7716	4-Phase Bridge Driver with IIC	24V	1A	2.7V~18V	400&400ns	200ns	1.7uA	TSSOP16	0.7Ω
PN7719	4-Phase Bridge Driver	32V	1.5A	3V~20V	1400&1400ns	1000ns	100nA	SSOP10	1Ω
PN7735	4-Channel Low-Side Driver	65V	2.5A	7.5V~60V	-	NA	-	TSSOP16/PP	0.45Ω
PN7736	4-Channel Low-Side Driver	65V	2.5A	7.5V~60V	-	NA	-	TSSOP16-PP	0.45Ω

Low Side Gate Driver IC

Product	Character	V _{OFFSET} (max)	I _{O+/-} (typ.)	V _{in}	T _{PLH} /T _{PHL}	T _{r/f} (typ.)	I _{SLEEP}	Package	R _{dson} (H+L)
PN7762	Dual-channel Low Side Driver	24V	5/5A	4.5V~24V	7&7ns	6&6ns	300uA	DFN3x3 SOP8	-
PN7001	Single-channel Low Side Driver	30V	1.5/1.5A	11V~25V	20&20ns	5&5ns	160uA	SOT23-5L	H 1.4Ω L 0.8Ω
PN7001L	2-Phase Low Side Driver	30V	3.5/3.5A	11V~25V	20&20ns	5&5ns	160uA	SOT23-5L	H 1.4Ω L 0.8Ω

IPM

Product	Character	V _{OFFSET} (max)	I _{O+/-} (typ.)	VCC Range	T _{on/OR} (typ.)	Deadtime (typ.)	OUT phase	Package	Cross reference
PM750550DT	IPM	500V	5A	10V~20V	750/850ns	1us	3-Phase	DIP23 SOP23	-
PM731060DT	IPM	600V	10A	13.2V~20V	1/1.1us	NA	3-Phase	DIP25	-

Wireless Charger Micro IPM

Product	Character	V _{OUT} (max)	I _{O+/-} (typ.)	V _{in}	Po(W)	Deadtime (typ.)	Package	Application	Note
PN7727	Full- Bridge Converter	20V	-	3V~12V	20W	20ns	SOP8-PP PLQFN2*2-16L	Wireless charging	Built-in 5V/50mA LDO

IGBT

Product	Character	V _{(BR)CES}	I _{C(100)}	V _{CE(sat)}	V _{FE}	E _{on}	E _{off}	Q _{rr}	Package
ID06G65	Insulated Gate Bipolar Transistor	650V	6A	1.55V	1.5V	0.12mJ	0.09mJ	0.10μC	TO-252/263/220
ID06G65T	Insulate-Gate Bipolar Transistor	650V	6A	1.5V	1.5V	0.12mJ	0.09mJ	0.11μC	TO-252
ID08G65	Insulated Gate Bipolar Transistor	650V	8A	1.55V	1.65V	0.14mJ	0.13mJ	0.11μC	TO-252/220F
ID10G65	Insulated Gate Bipolar Transistor	650V	10A	1.55V	1.65V	0.17mJ	0.28mJ	0.12μC	TO-252/220FA/263
ID15G65	Insulate-Gate Bipolar Transistor	650V	15A	1.6V	1.7V	0.18mJ	0.29mJ	0.13μC	TO-220/220FA/263
ID20G65	Insulate-Gate Bipolar Transistor	650V	20A	1.6V	1.8V	0.32mJ	0.19mJ	0.15μC	TO-220/220F/263
ID30G65	Insulate-Gate Bipolar Transistor	650V	30A	5.5V	1.5V	0.56mJ	0.4mJ	619nC	TO-247
ID30G65H	Insulate-Gate Bipolar Transistor	650V	30A	1.65V	1.9V	0.32mJ	0.45mJ	0.09μC	TO-247-3L
ID30G65HB	Insulated Gate Bipolar Transistor	650V	40A	1.65V	1.5V	0.32mJ	0.45mJ	0.06μC	TO-247-3L/3P
ID40G65	Insulate-Gate Bipolar Transistor	650V	40A	1.6V	1.75V	0.2mJ	1.1mJ	0.40μC	TO-247-3L/3P
ID40G65T	Insulated Gate Bipolar Transistor	650V	40A	1.5V	1.75V	0.88mJ	0.43mJ	1.01μC	TO-247-3L/3P
ID40G65L	Insulated Gate Bipolar Transistor	650V	40A	1.35V	1.4V	1.03mJ	0.48mJ	1.75μC	TO-247-3L
ID50G65	Insulated Gate Bipolar Transistor	650V	50A	1.6V	1.8V	0.5mJ	1.4mJ	0.45μC	TO-247-3L
ID50G65T	Insulate-Gate Bipolar Transistor	650V	50A	1.5V	1.75V	1.2mJ	0.57mJ	1.30μC	TO-247-3L/3P
ID60G65	Insulated Gate Bipolar Transistor	650V	60A	1.6V	1.8V	1.6mJ	1.7mJ	0.50μC	TO-247-3L
ID75G65	Insulated Gate Bipolar Transistor	650V	75A	1.6V	1.8V	1.2mJ	3mJ	0.90μC	TO-247-3L
ID100G65T	Insulated Gate Bipolar Transistor	650V	100A	1.6V	1.75V	3.6mJ	2.6mJ	1.95μC	TO-247Plus
ID120G65T	Insulated Gate Bipolar Transistor	650V	120A	1.6V	1.75V	5.2mJ	3.5mJ	2.75μC	TO-247Plus
ID40G120	Insulated Gate Bipolar Transistor	1200V	40A	1.75V	2.25V	1.56mJ	1.91mJ	1.57μC	TO-247-3L

SJ MOSFET

Product	Character	V _{(BR)ds}	I _{dnom}	R _{dson} @10V typ.	R _{dson} @10V max.	Q _g	Fast body diode	Q _{rr}	Package
ID60R022F	SuperJunction MOS Field Effect Transistor	650V	95A	19mΩ	22mΩ	154nC	Yes	3.2μC	TO-247-3L
ID65R028	SuperJunction MOS Field Effect Transistor	650V	78A	24mΩ	28mΩ	145nC	N/A	6.4μC	TO-247-3L
ID65R030F	SuperJunction MOS Field Effect Transistor	650V	78A	25mΩ	28mΩ	145nC	Yes	2.6μC	TO-247-3L
ID65R070F	SuperJunction MOS Field Effect Transistor	650V	37A	60mΩ	68mΩ	66nC	Yes	1.4μC	TO-247-3L
ID65R080F	SuperJunction MOS Field Effect Transistor	650V	34A	68mΩ	75mΩ	58nC	Yes	1.3μC	TO-247/220FA
ID65R099F	SuperJunction MOS Field Effect Transistor	650V	30A	82mΩ	95mΩ	48nC	Yes	1.2μC	TO-247/220FA
ID65R120F	SuperJunction MOS Field Effect Transistor	650V	28A	94mΩ	110mΩ	43nC	Yes	1.5μC	TO-220/220FA
ID65R160F	SuperJunction MOS Field Effect Transistor	650V	24A	128mΩ	152mΩ	31nC	Yes	1.3μC	TO-220/220FA/263
ID65R190F	SuperJunction MOS Field Effect Transistor	650V	20A	168mΩ	190mΩ	22nC	Yes	1.2μC	TO-220/220FA/263
ID65R280F	SuperJunction MOS Field Effect Transistor	650V	14A	234mΩ	260mΩ	17nC	Yes	1.8μC	TO-220FA/263
ID65R380F	SuperJunction MOS Field Effect Transistor	650V	12A	336mΩ	380mΩ	14nC	Yes	1.4μC	TO-252/220FA/263

SiC MOSFET

Product	Character	V _{(BR)ds}	V _{th}	R _{dson}	Q _g	C _{iss}	R _g	Q _{rr}	Package
ID170R1K	SiC MOS Field Effect Transistor	1700V	3V	1Ω	7.4nC	210pF	/	69nC	TO-247
ID120R040	SiC MOS Field Effect Transistor	1200V	3V	40mΩ	101nC	3100PF	1.4Ω	345nC	TO-247-3L

Planer MOSFET

Product	Character	V _{(BR)ds}	I _{dnom}	R _{dson} @10V typ.	R _{dson} @10V max.	Q _g	C _{res}	Q _{rr}	Package
ID3N150	Planar HV MOSFET	1500V	3A	6000mΩ	7500mΩ	34nC	7pF	2.4μC	TO-3PF/TO-247
ID4N150	Planar HV MOSFET	1500V	4A	5000mΩ	6300mΩ	39nC	11pF	2.8μC	TO-3PF/TO-247

GaN FET

Product	Character	V _{(BR)ds}	V _{th}	R _{dson}	Q _g	C _{iss}	R _g	Q _{rr}	Package
ID65AR035	Normally-Off Gallium Nitride (GaN) Transistor	650V	3.5V	35mΩ	22nC	1600 pF	4Ω	0nC	TO-247
ID65AR070	Normally-Off Gallium Nitride (GaN) Transistor	650V	3.5V	70mΩ	11nC	800 pF	4Ω	0nC	TO-247/PQFN

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