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Buck DC-DC Converter/Controller(降壓 IC)

1.CMOS Synchronous Step-Down DC/DC Converter(CMOS 制程同步降壓 IC)Vin<10V

Part No.	Vin	Vout	Iout	Frequency	Vfb	Quiescent	Package	Note/Replace
AX3513/A	2.5~5.5V	Adj	1A	1.4MHz	0.6V	250uA	TSOT23-5,TDFN-6	CL,SS,EN,SCP,Current Mode
AX3514/A/B	2.6~5.5V	Adj	2A	1.2MHz	0.6V	250uA	SOP-8,TDFN-10	CL,SS,EN,SCP,Current Mode
AX3516/A/B	2.6~5.5V	Adj	2.5A	1.2MHz	0.6V	250uA	ESOP-8,TDFN-8,TDFN-10	CL,SS,EN,SCP,Current Mode
AX3517	2.8~5.5V	Adj	2.5A	1MHz	0.8V	250uA	SOP-8	CL,SS,SCP,Current/Power saving Mode
AX3518	2.8~5.5V	Adj	3.2A	1MHz	0.8V	250uA	ESOP-8,TDFN-8	CL,SS,SCP,Current/Power saving Mode
AX3700	2.5~7.5V	Adj	600mA	1.4MHz	0.6V	200uA	TSOT23-5,TDFN-6	-
AX3701	2.5~7.5V	Adj	1.2A	1.4MHz	0.6V	200uA	TSOT23-5,TDFN-6	-
AX3702	2.5~7.5V	Adj	2A	1.4MHz	0.6V	200uA	SOT23-5/6,ESOP-8,TDFN-10	-
EML3023	2.5~5.5V	Adj	1A	1.5MHz	0.6V	15/188uA	SOT23-5,TDFN-6	Sync./PFM/PWM/LDO mode
EML3025	2.5~5.5V	Adj	1A	2.25MHz	0.6V	17/200uA	SOT23-5	Sync./PFM/PWM/LDO mode
EML3170	2.6~5.5V	Adj	3A	1.4MHz	0.8V	100uA	ESOP-8	Sync./PWM mode
EML3171	2.6~5.5V	Adj	2A	1.4MHz	0.8V	170uA	TDFN-8	Sync./PSM/PWM mode
EML3172	2.6~5.5V	Adj	3A	1.4MHz	0.8V	170uA	TSOT23-6	Sync./PSM/PWM mode
EML3173	2.6~5.5V	Adj	3A	1.4MHz	0.8V	220uA	ESOP-8	Sync./PSM/PWM mode /Power Good
EML3175	2.6~5.5V	Adj	3.5A	1.4MHz	0.8V	170uA	TDFN-8	Sync./PWM mode
EML3412	2.5~5.5V	Adj	1.2A	1.3MHz	0.6V	240uA	TDFN-6	SCP,OCP,OTP,SS,EN
EML3416	2.5~5.5V	Adj	1.5A	1.3MHz	0.6V	240uA	TDFN-8	SCP,OCP,OTP,SS,EN
EML3417	2.5~5.5V	Adj	1.5A	1.3MHz	0.6V	240uA	TDFN-6	SCP,OCP,OTP,SS,EN
EML3418	2.5~5.5V	Adj	2A	1.3MHz	0.6V	240uA	TDFN-8,ESOP-8	SCP,OCP,OTP,SS,EN
EML3276	3.0~5.5V	Adj	5A	1.1MHz	0.8V	265uA	ESOP-8	PSM/PWM,PG,SS,CL,OVP
EUP3418	2.5~5.5V	Adj,1.2,1.8,3.3	1A	1.5MHz	0.6V	25uA	TSOT23-5	SCP,OCP,OTP,SS,EN,Current Mode
EUP3290	2.5~5.5V	Adj	1A	2.25MHz	0.6V	30uA	TDFN-6,TSOT23-5	SCP,OCP,OTP,SS,EN,Current Mode
EUP3412	2.5~5.5V	Adj	1.5A	1.5MHz	0.5V	45uA	TDFN-10,MSOP-10	-
EUP3291	2.5~5.5V	Adj	1.5A	2.25MHz	0.6V	30uA	TDFN-6	-
EUP3420	2.5~5.5V	Adj	2A	1.5MHz	0.6V	270uA	TDFN-10,MSOP-10	-
EUP3421	2.5~5.5V	Adj	2A	1.0MHz	0.8V	500uA	SOP-8	-
EUP3426	2.5~5.5V	Adj	3A	1.0MHz	0.6V	500uA	TDFN-10	-
EUP3423	2.7~5.5V	Adj	3.2A	1.0MHz	0.8V	500uA	ESOP-8	-
EUP3427	2.7~5.5V	Adj,0.9,1.0,1.2,1.8	4A	1.0MHz	0.8V	500uA	SOP-8	OTP/160C,OVP/100%,OCP/6A
PT1202	2.5~5.5V	Adj	600mA	1.9MHz	0.6V	300uA	SOT23-5	-
PT1206	2.5~6V	Adj	1A	1.5MHz	0.6V	230uA	SOT23-5	-
FP6160B	2.5~5.5V	Adj	600mA	1.5MHz	0.6V	100uA	SOT23-5,TSOT23-5	-
FP6161	2.5~5.5V	Adj	1A	1.5MHz	0.6V	100uA	SOT23-5,TSOT23-5,DFN-6	-
FP6162	2.5~5.5V	Adj	1.5A	1.5MHz	0.6V	100uA	ESOP-8,DFN-10,EMSOP-10	-
FP6163	2.5~5.5V	Adj	2A	1.5MHz	0.6V	100uA	ESOP-8,DFN-10,EMSOP-10	-
FP6165	2.5~5.5V	Adj	3A	1.5MHz	0.6V	100uA	ESOP-8,DFN-10,EMSOP-10	-
FP6169	2.5~5.5V	Adj	2A	1.5MHz	0.6V	100uA	ESOP-8	-
FP6172	2.5~5.5V	Adj	2A	1MHz	0.8V	100uA	ESOP-8	-
FP6173	2.5~5.5V	Adj	3A	1MHz	0.8V	100uA	ESOP-8	-

2.Step-Down DC/DC Converter(Built-in mosfet) (同步/非同步)內置開關管降壓 IC ※為車充專用 IC

Part No.	Vin	Vout	Iout	Frequency	Vfb	Shutdown	Package	Note/Replace
AX3050/A ※	8~40V	Adj	1.8A	100/250kHz	1V	<1uA	ESOP-8	-CC/CV,SS/EN,CL,SCP,OCP,OTP
AX3051/A ※	8~40V	Adj	2.8A	100/250kHz	1V	<1uA	ESOP-8	-CC/CV,SS/EN,CL,SCP,OCP,OTP
AX3101	4.5~23V	Adj	2A	330kHz	0.8V	<2uA	SOP-8	-Ocset,SS,EN,CL,SCP
AX3106/A	4.5~23V	Adj	2A	330/500kHz	0.8V	<2uA	SOP-8	-SS,EN,SCP,OCP,MLCC
AX3111 ※	8~40V	Adj	3A	Adj(50~380kHz)	0.815V	-	ESOP-8	-OSC,SS,EN,CL,SCP,OCP
AX3112/A ※	8~40V	Adj	3A	100kHz	1.1V	-	ESOP-8	-OVP,SS,EN,SCP,SENSE
AX3116	4.5~23V	Adj	5A	330kHz	0.8V	<2uA	ESOP-8	-Ocset,SS(External),EN,CL,SCP
AX3117/A ※	8~40V	Adj	3A	100/300kHz	1V	-	ESOP-8	-CL pin,EN,SCP,UVL, OVP
AX3131	4.5~23V	Adj	3A	Adj(0.2~1.5MHz)	0.6V	<150uA	ESOP-8	-OSC,SS,EN,SCP...
AX3162/A ※	10~58V	Adj	2A	120KHz/250KHz	1V	<0.5mA	ESOP-8	-SS,EN,SCP,CL...
AX3482	4.5~23V	Adj	2A	340kHz	0.923V	<1uA	SOP-8	-Sync.
AX3484	4.5~23V	Adj	3A	340kHz	0.923V	<1uA	ESOP-8	-Sync.
AX3802	4.5~23V	Adj	2A	500kHz	0.925V	<1uA	SOP-8	-Sync.
AX3811A	4.35~16V	Adj	1.6A	600kHz	0.925V	<1uA	SOT23-6	-Sync.
AX3821	4.5~16V	Adj	1.6A	600kHz	0.6V	<1uA	SOT23-6	-Sync.

Part No.	Vin	Vout	Iout	Frequency	Vfb	Shutdown	Package	Note/Replace
AX4102	4.5~23V	Adj	3.5A	330kHz	0.8V	<2uA	SOP-8	-Ocset/EN/SCP
FP6101	3.6~20V	Adj	2A	340kHz	0.5V	<10uA	SOP-8	-SS,SCP,OC
FP6102	3.6~20V	Adj	3A	340kHz	0.5V	<10uA	SOP-8	-SS,SCP,OC
FP6111	3.6~25V	Adj	2A	320kHz	0.8V	<10uA	SOP-8	---
FP6112	3.6~25V	Adj	3A	320kHz	0.8V	<10uA	SOP-8	---
FP6115	3.6~25V	Adj	2A	340kHz	0.8V	<10uA	SOP-8	---
FP6116	3.6~25V	Adj	3A	340kHz	0.8V	<10uA	SOP-8	---
FP6151 ※	4.5~36V	Adj	5A	500kHz	0.808V	<10uA	ESOP-8	-SS,OSC,UVL
FP6180	4.75~23V	Adj	3A	380kHz	1.222V	<20uA	SOP-8,ES OP-8	---
FP6181	4.75~23V	Adj	2A	380kHz	0.92V	<23uA	MSOP-10	---
FP6182	4.75~23V	Adj	2A	380kHz	1.222V	<25uA	SOP-8	---
FP6183	4.75~23V	Adj	2A	210kHz	1.23V	<23uA	SOP-8	---
FP6185	4.75~23V	Adj	2A	380kHz	0.92V	<23uA	SOP-8	---
FP6186	4.75~23V	Adj	2A	1.4MHz	0.92V	<25uA	ESOP-8,E MSOP-10	---
FP6187	4.75~23V	Adj	2A	380KHz	1.23V	<23uA	SOP-8	---
FP6188	4.75~23V	Adj	2A	340KHz	0.923V	<1uA	SOP-8,ES OP-8	-Sync.
FP6189	4.75~23V	Adj	3A	380KHz	0.92V	<20uA	SOP-8,ES OP-8	---
FP6193	4.75~23V	Adj	3A	340KHz	0.923V	<1uA	ESOP-8	-Sync.
EUP3453 ※	4.75~40V	Adj	3A	200kHz	0.92V	<3uA	ESOP-8	-CC,CV,CL pin,EN,SCP,UVL,OVP
EUP3458	4.5~30V	Adj	1.2A	1.2MHz	0.8V	<1uA	SOT23-6, TSOT23-6	-
EUP3466 ※	8~40V	Adj	3A	80kHz	1.18V	<3uA	SOP-8	-CC,CV,CL pin,EN,SCP,UVL,OVP
EUP3467 ※	8~40V	Adj	4A	80kHz	1.18V	<3uA	ESOP-8	-CC,CV,CL pin,EN,SCP,UVL,OVP
EUP3468 ※	8~36V	Adj	2.4A*2	160kHz	0.6V	<380uA	ESOP-8	-Sync+MOS,2-CH CC/CV
EUP3482/A	4.5~30V	Adj	2A	340kHz	0.923V	<1uA	SOP-8	-Sync.
EUP3484/A	4.5~30V	Adj	3A	340kHz	0.923V	<1uA	ESOP-8	-Sync.
EUP3485	4.5~21V	Adj	4A	500kHz	0.808V	<0.11uA	ESOP-8	-
EUP3489	5.5~30V	Adj	5A	500kHz	1.222V	<3uA	ESOP-8	-
PT1102	2.5~18V	Adj	1A	500kHz	1V	<0.1uA	SOP-8	-SS,EN,UVLO
MA5601 ※	8~38V	Adj	3.5A	160kHz	1V	<10uA	ESOP-8	-Sync.CC,CV,EN,OVP,OC,SCP,UVL
MA5602 ※	8~38V	Adj	3.5A	180kHz	1V	<10uA	ESOP-8	-Sync.CC,CV,EN,OVP,OC,SCP,UVL
MA5604 ※	8~38V	Adj	5A+MOS	160kHz	1V	<10uA	ESOP-8	-Sync+MOS.CC,CV,EN,OVP,OC,SCP,UVL
MA5605 ※	8~36V	Adj	2.4A*2	160kHz	1V	<10uA	ESOP-8	-Sync+MOS.2-CH CC/CV
MA5606 ※	8~36V	Adj	3.5A	160kHz	1V	<10uA	ESOP-8	-Sync.CC/CV
MA5609 ※	8~36V	Adj	5A	160kHz	1V	<10uA	ESOP-8	-Sync.CC/CV
MA5611 ※	8~36V	Adj	3.1A	160kHz	1V	<10uA	ESOP-8	-Sync.CC/CV
MA5620 ※	8~36V	Adj	2.4A*2	160kHz	1V	<10uA	ESOP-8	-Sync+MOS.2-CH CC/CV
EML3190	4.5~36V	Adj	5A	420kHz	0.808V	<10uA	ESOP-8	-
EML3191	4.5~36V	Adj	5A	1.5MHz	0.808V	<10uA	ESOP-8	-
EML3192	4.5~36V	Adj	3A	420kHz	0.808V	<10uA	ESOP-8	-
EML3193	4.5~36V	Adj	3A	1.5MHz	0.808V	<10uA	ESOP-8	-
EML3220	4.5~23V	Adj	2A	340kHz	0.923V	<1uA	SOP-8	-Sync.
EML3230	4.5~23V	Adj	3A	340kHz	0.923V	<1uA	ESOP-8	-Sync.

3.Step-Down DC/DC Converter(Built-in transistor)(內置晶體管降壓 IC) ※為車充專用 IC

Part No.	Vin	Vout	Iout	Frequency	Vfb	Shutdown	Package	Note/Replace
AX3005 ※	4~40V	Adj,3.3,5,12V	3A	150kHz	1.23V	<100uA	TO263-5,TO220-5	-EN,CL,SCP,AP1501,LM2596
AX3007 ※	4.5~40V	Adj,3.3,5,12V	2A	150kHz	1.23V	<100uA	SOP-8,ESOP-8,TO263/252-5	-EN/CL/SCP
AX3007A ※	4.5~40V	Adj,3.3,5,12V	2A	85kHz	1.23V	<100uA	SOP-8,ESOP-8,TO252-5	-EN/CL/SCP
AX3022	3.6~24V	Adj	1.5A	200kHz	0.75V	<2uA	SOT89-5	-EN,OC,SCP
AX3161 ※	8~60V	Adj,5V	2A	52kHz	0.75V	<100uA	TO263-5	-EN,OC,SCP

5.Buck DC-DC Controller(PWM 降壓控制 IC)外加 MOS 擴流 1A~10A ※為車充專用 IC

Part No.	Vin	Vout	Iout	Frequency	Vfb	Shutdown	Package	Note/Replace
PT1101	2.5~18V	Adj	30mA+MOS	500kHz	1V	<0.1uA	SOT23-5	-PWM/PFM,SS,UVLO,S8521
AX3071 ※	8~40V	Adj	2.4A*2	120kHz	1V	<1uA	MSOP-10	-2-CH,CC/CV
AX3075/A ※	8~40V	Adj	2.4A*2	120/250kHz	1V	<1uA	MSOP-10	-2-CH,CC/CV
AX3164 ※	10~58V	Adj	+MOS	250kHz	1V	<1uA	SOP-8	-SS,CL,SCP,OC,OTP
AX3301	3.6~24V	Adj	100mA+MOS	330kHz	0.8V	<2uA	SOP-8,MSOP-8	-EN,CL,SCP,OC
AX3304/A ※	8~40V	Adj	100mA+MOS	100/300kHz	0.8V	<2uA	SOP-8	-OVP/CL(External),SCP,UVL...
MA5620 ※	8~38V	Adj	2.4A*2	160kHz	1V	<10uA	TDFN-12	-Sync+MOS.2-CH CC/CV

Boost DC-DC Converter/Controller(升壓 IC)

1.CMOS Step-up DC/DC Converter(CMOS 制程升壓 IC) ◎為移動電源用 IC

Part No.	Vin	Vout	Ilimited (Max.)	Frequency	VFB	Quiescent	Package	Note/Replace
AX5505	0.8~5V	2.1~5V 0.1V step	850mA	PFM	0.8V	6uA	SOT-23,SOT23-5,SO T-89	-Sync.
AX5510	2.5~5.5V	Adj(3~27V)	3A	680KHz/1.2MHz	1.238V	150uA	EMSOP-8,EMOSP-10,ESOP-8,TDFN-10,EN,SS,UVL,CL,SCP	
AX5511	2.6~5.5V	Adj(3~27V)	1.9A	1.2MHz	1.238V	150uA	TSOT23-5	--UVLO, OCP,SS,CL,MP1540
AX5523 ◎	2~24V	Adj(3~28V)	4A	1.2MHz	1.238V	160uA	SOT23-6	--PFM/PWM
EMH7600	0.9~5.5V	Adj(1.8~5.5V)	1A	PFM	1.195V	26uA	MSOP-8	-Synchronous
EMH7601	0.9~5.5V	Adj(1.8~5.5V),3.3,5.0V	1A	PFM	1.195V	26uA	SOT23-5,TDFN-6	-Synchronous
EMH7020	0.9~5.5V	Adj(1.8~5.5V)	1A	500KHz	0.5V	50uA	TDFN3*3-10,EMSOP-8	-Synchronous,CL,LBO,OPG,SCP,OCP
EMH7021	0.9~5.5V	Adj(1.8~5.5V)	1.5A	500KHz	0.5V	50uA	TDFN3*3-10	-Synchronous,TPS61020
EMH7023	0.9~5.5V	Adj(1.8~5.5V)	1A	500KHz	0.5V	50uA	EMSOP-8	-Synchronous
PT1301	0.8~6V	Adj(1.5~12V)	350mA+MOS1.5A	500kHz	1.25V	<0.01uA	SOT23-6,SOT89-5,MSOP-8	-Ext/LX mos pin,RT9266
PT1304 ◎	3~5.5V	Adj	+MOS	-	-	-	SOP-8,MSOP-8	-Ext mos pin,Current Limit,升降压
PT1305	2.7~5.5V	Adj(3~26V)	-	1.25MHz	1.25V	<0.1uA	SOT23-5,SOT23-6,-	-
PT1307	4.5~6.5V	Adj(5~20V)	1.2A	1MHz	-	<0.1uA	SOT23-6	-Input CL,UVLO,升降压
PT1311	0.85~4.2V	Adj(2~6V)	1.2A	1.2MHz	1.25V	<1uA	SOT23-6	-Synchronous,LTC3400
PT1322 ◎	2.7~5.5V	Adj(3.3~6V)	1.6A	1.0MHz	0.6V	200uA	SOT23-6	-OTP,OVP,OCP
EUP2410	2.2~5.0V	Adj(2.5~6V)	800mA	500KHz	1.25V	390uA	TSOT23-5	-Sync.
EUP2412	2.2~5.0V	Adj(2.5~6V)	800mA	500KHz	1.25V	390uA	TDFN-10	-Sync.+600mA LDO
EUP2477 ◎	1.8~5.0V	Adj(2.5~5.5V)	6A	500KHz	1.2V	27uA	TDFN-10	-Sync.
EUP2570 ◎	2.2~5.5V	Adj(3.3~16V)	1.2A	1MHz	1.25V	400uA	TSOT23-5	-
EUP2573 ◎	2.7~5.5V	Adj(3~20V)	+MOS	1.2MHz	0.6V	-	SOT23-5	-Ext mos
EUP2624/A	2.5~5.5V	Adj(2.3~28V)	1.2A	620KHz/1.25MHz	1.25V	500uA	MSOP-8,TDFN-8	-
EUP2627/A	2.5~5.5V	Adj(2.3~28V)	1.6A	620KHz/1.25MHz	1.25V	500uA	MSOP-8,TDFN-8	-
FP6291 ◎	2.6~5.5V	Adj(3.3~12V)	2.5A	1MHz	0.6V	190uA	SOT23-6	-
FP6276B ◎	2.4~4.5V	Adj(3.3~9V)	5A	550KHz	0.6V	280uA	ESOP-8	-Sync.SS,OCP,OVP
FP6277 ◎	2.4~4.5V	Adj(3.3~9V)	7A	550KHz	0.6V	280uA	ESOP-8	-Sync.SS,OCP,OTP,SCP
FP6287 ◎	2.4~5.5V	Adj(3.3~9V)	5A	550KHz	0.6V	70uA	ESOP-8	-SS,OCP,OVP
FP6288 ◎	2.4~5.5V	Adj(3.3~16V)	+MOS	350KHz	0.6V	70uA	ESOP-8	-SS,OCP,OVP
FP6298 ◎	2.6~5.5V	Adj(3.3~9V)	4.5A	500KHz	0.6V	200uA	ESOP-8	-
FP5201 ◎	2.4~5.5V	Adj(3.3~12V)	+MOS	550KHz	0.6V	-	SOT23-6	-S8365,S8366
FP5205 ◎	2.4~5.5V	Adj(3.3~12V)	+MOS	550KHz	0.6V	-	SOT23-6	-OCP
FP5208 ◎	2.5~24V	Adj(3.3~12V)	+MOS	550KHz	0.6V	-	SOT23-6	-OCP
FP5209 ◎	2.4~5.5V	Adj(3.3~12V)	+MOS	550KHz	0.6V	-	SOT23-5	-ME2109,ME2139
MA2009 ◎	2.6~16V	Adj(3.3~28V)	4A	1.2MHz	1.238V	120uA	SOT23-6	--PFM/PWM

2.Step-up DC/DC Converter/Controller(升压 IC/升压控制 IC) ◎为移动电源用 IC

Part No.	Vin	Vout	Isw	Frequency	VFB	Shutdown	Package	Note/Replace
AX5201	3.0~20V	Adj(3.3~32V)	3A	500kHz	1V	<1uA	ESOP-8	EN,SS,CL,OCP,SCP
AX5203	4.5~23V	Adj(5.0~68V)	3A	500kHz	1V	<1uA	ESOP-8	EN,SS,CL,OCP,SCP
AX5204	3.0~20V	Adj(3.3~32V)	2A	500kHz	1V	<1uA	ESOP-8	EN,SS,CL,OCP,SCP
AX5302 ◎	3.6~24V	Adj(5~40V)	+MOS	330kHz	0.8V	<2uA	SOP-8,MSOP-8	EN pin/CL
FP5138	1.8~15V	Adj(3.3~40V)	+MOS	1MHz	0.5V	<1uA	SOP-8,TSSOP-8	SS,SCP,BR/CTL,Duty:80%(TYP.)
FP5139B ◎	1.8~15V	Adj(3.3~40V)	+MOS	1MHz	0.5V	<1uA	SOP-8,TSSOP-8	SS,SCP,BR.CTL,Duty:92%(TYP.)
AS2001 ◎	1.8~15V	Adj(3.3~40V)	+MOS	1MHz	0.5V	<1uA	TSSOP-8	-
FP6201	3.6~20V	Adj(4.2~20V)	2A	320KHz	0.5V	<1uA	SOP-8	-
FP6203	3.6~20V	Adj(4.2~20V)	2A	320KHz	0.5V	<1uA	SOP-8	-

Crpowtech(华润矽威) AC-DC Series

Part No.	Package Type	Output Power	Frequency	Standby Power	Key Features	Note	Compatible
PT2201	SOP-8	30~80W	65KHz	-	Current Mode PWM Controller	OCP,OTP,UVLO,OVP	OB2268,OB2269
PT2203	SOP-7	3~5W	65KHz	<0.03W	PSR, PWM+HV_BJT	CC,CV,输出线缆补偿	-
PT2206	SOP-8	5~7W	65KHz	<0.075W	PSR, PWM+HV_MOS	CV,准谐振,OCP,OLP,OVP,OTP,UVLO	
PT2208	SOP-8	5~7W	65KHz	<0.1W	PSR, PWM+HV_MOS	CC,CV,OCP,OLP,OTP,OVP,输出线缆补偿	
PT2209	SOT23-6	<50W	65KHz	<0.1W	Current Mode PWM Controller	满足能源6级标准	--
PT2210	DIP-8	<15W	65KHz	<0.1W	Current Mode PWM Converter	MOS:Rds=4ohm	--
PT4201	SOT23-6	<30W	65KHz	-	Current Mode PWM Controller	OCP,OLP,UVLO	-OB2263
PT7368	SOP-7	4~6W	65KHz	<0.05W	PSR, PWM+HV_MOS	集成700V-MOS,低功耗	

Syncpower(擎力)AC-DC Series

Part No.	Package Type	Driver current	Frequency(Max)	Green Mode Frequency(Typ)	UVLO(On)	Vcc(Max)	Type
SP6850	SOT23-6	300mA	65Khz	20Khz	10V	36V	Flyback
SP6851	DIP-8	300mA	68Khz	22Khz	10V	36V	Flyback with OLP Build in MOS
SP6852	DIP-8	300mA	68Khz	22Khz	10V	36V	Flyback with OLP Build in MOS
SP6853	SOT23-6,SOP-8	300mA	68Khz	22Khz	10V	36V	Flyback with OLP
SP6855	SOT23-6,DIP-8	300mA	68Khz	22Khz	10V	36V	Flyback with OLP/Jitter
SP6878	SOP-8	300mA	100Khz	22Khz	9V	28V	QR
SP6879	SOP-8	300mA	100Khz	22Khz	9V	28V	QR
SP6837	SOP-8	36mA	100Khz	24Khz	9.2V	36V	PSR
SP6877	SOT23-6,DIP-8	600mA	100Khz	24Khz	9V	36V	QR with PFC

Syncpower(擎力) Synchronous Rectification(同步整流) IC

Part No.	Type	Iout		VSYNC	VDD	Frequency	Package	Note
		(Pulsed)	(Min)	(Max)	(Max)			
		A	V	V	KHz			
SP6002	Forward_DCM/CCM	1	5	7	650	SOP-8P	-	
SP6003A	Flyback_DCM/CCM	1	5	7	650	SOP-8P	-	
SP6012	Forward_DCM/CCM	3	9.5	16	650	SOP-10P	-	
SP6013A	Flyback_DCM/CCM	3	8	16	650	SOP-8P	-	
SP6016D	Flyback_DCM	1	4.5	18	300	SOT-23-6L	-w / Sleep mode	
SP6016E	Flyback_DCM/CCM/QR	1	4.5	18	300	SOT-23-6L	-w / Sleep mode	
SP6018	Flyback_DCM/CCM	2	10	16	400	SOP-8P	-	
SP6018C	Flyback_DCM/CCM	1.5	10	16	400	SOP-8P	-	
SP6018E	Flyback_DCM/CCM	2	10	16	400	SOP-8P	-w / Sleep mode	
SP6019	Forward/Flyback_DCM/CCM	2	10	16	400	SOP-8P	-	
SP6019C	Forward/Flyback_DCM/CCM	2	8.5	16	450	DFN-3*3	-	
SP6019D	Forward/Flyback_DCM/CCM	2	8.5	16	450	SOP-8.DFN-3*3	-w / Sleep mode	

Syncpower(擎力) CC/CV(Shunt Regulator,OP AMP) IC

Part No.	Type	Operation Voltage(Max)	Output Current(Max)	Reference Voltage(Typ)	Accuracy Voltage	Package
SP431	Adjustable Precision Shunt Regulators	37V	150mA	2.5V	± 0.5% ± 1.0%	TO-92,SOT-23
SP432	Adjustable Precision Shunt Regulators	20V	100mA	1.24V	± 0.5% ± 1.0%	TO-92,SOT-23
SP433	Four-Terminal Adjustable	20V	100mA	2.5V	± 0.5% ± 1.0%	TO-94,SOT23-5
SP435W	Adjustable Precision Shunt Regulators+OP AMP	18V	100mA	2.5V	± 1.0%	SOP-8
SP436	Constant Voltage and Constant Current Controller	40V	20mA	2.5V	± 0.5%	SOT23-6

LED Driver IC Series for High power LED lighting(LED 照明應用)

1.Buck DC/DC Converter(Controller,Linear)and Linear for LED Constant Current(LED 降壓恒流驅動)

Current(Max.)	Part No.	Vin	Dimming	Frequency	CS(V)	Shutdown	Package	Note/Application
2A	AX2002	3.6~23V	PWM,Linear	330/500kHz	0.25V	<2uA	SOP-8	EN,CL,SCP,OCP,LED lighting
3A	AX2003	3.6~23V	PWM,Linear	330/500kHz	0.25V	<2uA	SOP-8	EN,CL,SCP,OCP,LED lighting
1A	AX2004	2.5~24V	Linear	2kHz	-	<1mA	SOT89-5,TO252-5,SOP-8,Linear LED Driver	
3A	AX2005	8~40V	PWM	300kHz	0.2V	<150uA	ESOP-8	LED lighting,OVP,CL,EN,SS,OCP,SCP
1A	AX2020	8~32V	PWM,Linear	1MHz	0.13V	<70uA	SOT89-5	MR-16,Automotive,etc.
5A(+MOS)	AX2201	3.6~24V	PWM	330kHz	0.25V	2uA	SOP-8,MSOP-8	LED Lighting,
500mA	LED1113	>3.3V	Linear	Vout:2.5~28V	-	N/A	SOT-89-3	Linear LED Driver
1.2A	PT4115	6~30V	PWM,Linear	1MHz	0.1V	<60uA	SOT89-5,ESOP8	MR-16,Automotive,etc.
1.2A	PT4205S	5~30V	PWM,Linear	1MHz	0.2V	<130uA	SOT89-5,ESOP8	MR-16,Automotive,etc. 3%基准电流
350mA	PT4211	5~30V	PWM	1MHz	0.2V	<130uA	SOT23-5	MR-16,Automotive,etc. 3%基准电流
1.2A	SP2115	7~60V	PWM,Linear	1MHz	0.2V	<50uA	SOP-8,SOT89-5	---
1.5A/3A	SP2260	5.5~60V	PWM,Linear	52KHz	0.2V	<50uA	SOP-8,TO263-5	---
2A	FP7102	3.6~28V	PWM,Linear	320kHz	0.25V	<30uA	SOP-8,ESOP-8	---
3A	FP7103	3.6~28V	PWM,Linear	320kHz	0.25V	<30uA	SOP-8,ESOP-8	---
700mA	FP7151	7~26V	PWM,Linear	1MHz	0.2V	<15uA	SOT23-5	---
1A	FP7152	7~26V	PWM,Linear	1MHz	0.2V	<15uA	SOT89-5	---
500mA	FP7170	5~90V	Linear	-	-	<15uA	SOT-223,TO-92	---
5A(+MOS)	FP7175	8~100V	Linear	-	0.25	-	SOT23-6	---
1.5A	FP7182	8~100V	Linear,PWM	-	0.277	-	SOP-8	---
5A(+MOS)	FP7188	8~100V	Linear,PWM	-	0.25	-	SOT23-6	---
3A	FP8013	2.5~2.5V	PWM,Linear	1.5MHz	0.1V	<1uA	ESOP-8	---
2.5A	MA5603	8~38V	PWM,Linear	240KHz	0.2V	<200uA	ESOP-8	-Synchronous 同步

2.AC-DC LED Constant Current Driver(高壓市電 LED 降壓恒流驅動)

功率範圍	產品型號	拓補架構	驅動功率管	恒流精度	功率因數	調光	封裝	特點及應用
<60W	PT4107	Buck 非隔離	外部 MOS	<±10%	填谷电路	PWM	SOP-8	效率>90%
<60W	PT4207	Buck 非隔離	內置/外部 MOS	<±5%	填谷电路	PWM,Linear	SOP-8	效率>96%,內建 350mAmps,可外扩
<60W	PT4212/A	Buck 非隔離 PFC	外部 MOS	<±3%	內置 PF>0.9	PWM,Linear	SOP-8	QR,OVP,OTP,OCP,SS...
<20W	PT4228	Buck 非隔離 PFC	內置 MOS	<±3%	內置 PF>0.9	-	SOP-8	-
<30W	PT4201	副边光耦反馈	外部 MOS	<±2%	填谷电路	-	SOT23-6	GU10,E27,PAR20,PAR30,PAR38
<45W	PT4213	原边反馈 PSR	外部 MOS	<±3%	填谷电路	-	SOT23-6	-BP3105,BP3106,AP3766OB3390,MT7950
<5W	PT4223	原边反馈 PSR	內置 MOS	<±3%	填谷电路	-	SOP-8	-BP3105,BP3106,AP3766OB3390,MT7950
<5W	PT4225	原边反馈 PSR	內置 MOS	<±3%	填谷电路	-	SOP-7	-BP3102(P2P),BP3122,MT7953,SM7523
<8W	PT4226	原边反馈 PSR	-	<±3%	填谷电路	-	DIP-8	-
<12W	PT4227	原边反馈 PSR	內置 MOS	<±3%	填谷电路	-	DIP-8	-
<18W	PT4229	原边反馈 PSR	-	<±3%	填谷电路	-	DIP-8	-
<60W	PT4209	PSR+PFC	外置 MOS	<±3%	內置 PF>0.9	-PWM,Linear	SOP-8	-SY5800,MT7930,SFL900,OB3330,BP3309,GL8259
<60W	PT4219	PSR+PFC	外置 MOS	<±3%	內置 PF>0.9	-	SOP-8	-SY5800,MT7930,SFL900,OB3330,BP3309,GL8259
<15W	PT4229	原边反馈 PSR	內置 MOS	<±3%	填谷电路	-	DIP-8	-
<15W	PT4230	原边反馈 PSR	內置 MOS	<±3%	填谷电路	-	SOP-8	-
<20W	PT4241	PSR+PFC	內置 MOS	<±3%	內置 PF>0.9	-	DIP-8	-
<30W	FP7171	Buck 非隔離	外置 MOS	<±3%	-	-PWM,linear	SOP-8	-
<30W	FP7172	Buck 非隔離	外置 MOS	<±3%	-	-PWM,linear	SOP-8	-
<60W	FP7176	PSR	外置 MOS	<±2%	-	-PWM,linear	SOP-8	-
<60W	EMD2155	Linear	-	-	-	-PWM,TriAC	ESOP-8	-
<30W	EMD2181	Linear	-	-	-	-E	ESOP-8	-
<30W	EMD2182	Linear	-	-	-	-PWM	ESOP-8	-
<30W	EMD2183	Linear	-	-	-	-3 step	ESOP-8	-

LED Backlight(LED 背光应用)

1.Boost DC/DC Converter for LED Constant Current(LED 升壓恒流驅動)

Isw(Max.)	Part No.	Vin	Vout	Frequency	Vfb	Quiescent	Package	Note.
400mA	SP1937	2.5~20V	3.2~36V	1.2MHz	0.095V	<90uA	SOT23-5,SOT-353	-
400mA	SP1938	2.5~18V	3.2~36V	1.2MHz	0.095V	<90uA	SOT23-6	OVP:21V
400mA	PT4101	2.5~5.5V	3~20V	1.2MHz	0.104V	<100uA	SOT23-6	OVP20V
400mA	PT4103	2.5~5.5V	3~30V	1.2MHz	0.104V	<100A	SOT23-6	OVP30V
1.5A	PT4110	2.5~5.5V	3~35V	1.2MHz	0.3V	<100uA	SOT89-5,SOP-8	-
1.5A	PT4117	2.5~6V	3~35V	1.2MHz	0.3V	<100uA	SOT23-6,TDFN-8	-调光
1.4A	EMD2055	2.5~5.5V	3~35V	1.2MHz	0.24V	<120A	SOT23-6,TDFN-8	OVP:37V 11S4P
1.4A	EMD2080	6~36V	6~36V	1.2MHz	0.245V	<100A	MSOP-10	OVP:31.5V 9S8P
1.4A	EMD2095	2.5~5.5V	3~28V	1.2MHz	0.245V	<120A	TSOT23-6	OVP:31V
1.0A	EUP2530	2.5~5.5V	3~38V	1.0MHz	0.2V	<300uA	TSOT23-6	OVP:41V <7"
750mA	EUP2539	2.5~5.5V	3~38V	1.0MHz	0.3V	<130uA	TSOT23-5	OVP:38V
1.7A	EUP2586	2.5~5.5V	3~18V	1.0MHz	0.3V	<400uA	TSOT23-5	OVP:18V 15P3S 6P6S <10" Eff:93%
1.4A	EUP2983	6~25V	3~30V	1.0MHz	0.3V	<1.2mA	TDFN-8	OVP:32V 9P3S 升降压 7~10" PWM,Analog 调光
2A(+MOS)	FP7208	2.5~24V	3~35V	200KHz	0.1V	<245uA	ESOP-8	-

Each String Current	Part No.	Vin	Vout	Dimming	Channel	Quiescent	Package	Note.
15~25mA	PT4112	5~25V	5.5~40V	PWM	6	<1mA	QFN3*3-16	OVP:40V
200mA	PT4113	5~20V	5.5~40V	PWM	2	<1mA	SSOP-24	CL,SS,SCP,UVL,OTP,OVP
180mA	EUP2588	4.5~28V	5~60V	PWM	4	<1mA	TSSOP-16,SOP-16	CL,SCP,OTP,OVP <32"
+MOS(100mA)	EUP2589	4.5~28V	5~60V	PWM,DC	12	<1mA	TSSOP-28,SOP-28	OVP:65V CL,SCP,OTP,OVP <32"
5~50mA	EUP2990	4.5~24V	5~43V	PWM,DC	12	<1mA	TQFN-20	OVP:45V CL,SCP,OTP,OVP <15"

2.Charge Pump LED driver (電荷泵 LED 驅動 IC)

Each String Current	Part No.	Vin	Dimming	Frequency	Channel	Standby	Package	Replace
100mA	EMD3001	2.5~4.5V	PWM	2MHz	1	<1uA	SOT23-6	AT3110,CP2128
80mA	EMD2794/2795	2.5~5.5V	Analog	1.3MHz	4	<1uA	TQFN-16,FBP-16	LM2794
25mA	EUP3651	2.5~5.5V	PWM	1MHz	4	<1uA	TDFN-12	-
25mA	EUP3654	2.5~5.5V	PWM	1MHz	6	<1uA	TDFN-16	-
80mA	EUP2794	2.5~5.5V	PWM,Analog	1MHz	4	<1uA	TQFN-16	-

3.Linerr Constant Current Regulator(線性 LED 驅動 IC)

Current	Part No.	Vin	Dimming	Linear	Channel	Standby	Package	Note
20mA	PT4401	2.7~6V	PWM	Y	3	<0.1uA	SOT23-6	-
20mA	PT4412	2.7~6V	PWM	Y	3	<0.1uA	SOT23-6	-
20mA	SP1820	2.7~6V	PWM	Y	4	<0.1uA	SOP-8	-
20mA	SP1821	10.5~12.5V	PWM	Y	4	<0.1uA	SOP-8	-

Li-Ion Battery Management

Li-Ion Battery Charger(鋰電池充電管理)

Part No.	Charge Current(MAX)	Cell	Type	Vin	Vout	Package	Features	Compatible
EMC5754	1A	1	Linear	4.25~5.5V	4.1,4.2,4.3V	SOT23-5,ESOP-8	Integrated MOS/Thermal Regulation	-
EMC5755	1.2A	1	Linear	4.25~5.5V	4.2V,4.35	TDFN-6	Integrated MOS/Thermal Regulation	-
EMC5040	1.2A	1	Linear	4.25~13.5V	4.2V	TDFN-10	Integrated MOS/Thermal Regulation	-
EMC5042	1.2A	2	Linear	9~13.5V	8.4V	TDFN-10	Integrated MOS/Thermal Regulation(two-cell)	-
EMC5045	1.2A	1	Linear	4.5~13.5V	4.2V	SOP-8	Integrated MOS/Thermal Regulation	-
EMC5046	1.2A	2	Linear	9~13.5V	8.4V	SOP-8	Integrated MOS/Thermal Regulation(two-cell)	-
EMC5050	1.5A	1	Linear	4.6~5.5V	4.2V	TDFN-16	Timer TS,帶睡眠模式	-
EMC5051	2A	1	Linear	4.6~5.5V	4.2V	TDFN-16	Timer TS,帶睡眠模式	-
EMC5060	2A(1.5+0.5)	1	Linear	4.35~16V	4.4,5.0,6V	TQFN-20	with System Power Management	-
EMC5070	2.1A	1	PWM	4.5~6.5V	4.2V	TDFN-20	Timer TS,帶睡眠模式	-
PT6103	800mA	1	Linear	4.25~5.5V	4.2V	SOT23-6,ESOP-8	內置 MOS,熱保護,	-
PT6107	1.5A	1	PWM	4.5~13.5V	4.2V	QFN4*4-16	同步開關單節鋰電充電	-
PT6108	2.5A	1	PWM	4.5~13.5V	4.2V	QFN-24	同步開關單節鋰電充電-電源路徑管理	-
PT6112	800mA	1	Linear	4.25~5.5V	4.2V	SOT23-5,ESOP-8	內置 MOS,集成熱調節	-
EUP8010X	1A	1	Linear	4.35~5.5V	4.2V	TDFN-10,EMSOP-8	Integrated MOS/Timer	BQ24010/2/3/4
EUP8020X	1A	1	Linear	4.35~5.5V	4.2V	TDFN-10	Integrated MOS/Timer/USB Charging	BQ24020/2/3/4/6,LM3658
EUP8060X	1A	1	Linear	4.5~16V	4.2V	TDFN-10	Integrated MOS/OVP	BQ24060
EUP8054/X	800mA	1	Linear	4.35~5.5V	4.2V	TSOT23-5,TDFN-6	Integrated MOS	LTC4054
EUP8051/A	1A	1	Linear	4.5~7V	4.1,4.2V	SOP-8,MSOP-8,TSSOP8	External MOS	BQ2057,RT9501,AT1457
EUP8057	1A	1~2	Linear	4.5~15V	4.1,4.2,8.2,8.3,8.4V	SOP-8,MSOP-8,TSSOP8	External MOS	BQ2057
EUP8075	1.5A	1	Linear	4.35~24V	4.3V	TQFN-16	Integrated With System Power-Path Management	BQ24075
EUP8092	2A	1	Linear	4.5~5.5V	4.2V	TQFN-16,TDFN-10	Integrated MOS/Timer	ISL6292
EUP8095	1.5A	1	Linear	4.5~5.5V	4.2V	TQFN-16,TDFN-10	Integrated MOS/Timer	ISL9205D
EUP8202	3A	1~2	PWM	4.7~20V	4.2,8.4V	TDFN-10,SOP-8	Switch mode	LTC4002,3H Timer
EUP8207	3A	1~2	PWM	4.7~20V	4.2,8.4V	SOP-8	Switch mode	LTC4002,7H Timer
EUP8209	3A	1~2	PWM	4.7~20V	4.2,8.4V	SOP-8	Switch mode	LTC4002,12H Timer
EUP8217	2A	2	PWM	4.5~20V	4.2V	TQFN-28	Switch mode	USB/Charger Detection
EUP8218	2A	1	PWM	4.5~20V	4.2V	TQFN-28	Switch mode	USB/Charger Detection
FP8102	1A	1	Linear	4.25~5.5V	4.2V	SOP-8	OTP	-
FP8103	1A	1	Linear	4.25~5.5V	4.325V	SOP-8	OTP	-
FP8202	2A	1~2	PWM	4.7~20V	4.2V	SOP-8,TDFN-10	OTP	-

ESMT/EMP Audio IC

ESMT/EMP Audio IC > Class A/B Mono

Part Number	Description	Po(Max output power, W)	Typical THD+N (%)	PSRR (dB)	Vin min(V)	Vin max(V)	Shutdown current (uA)	Earphone	Package
EMA1002	1W Mono with Headphone Sense	1 (8ohm, 5V, 1%THD+N)	0.04 (0.4W, 1KHz)	60	2.2	5.5	0.1	Yes	MSOP-8
EMA1003	1.2W Mono Fully Differential with Shutdown Select	1.2 (8ohm, 5V, 1%THD+N)	0.008 (0.4W, 8ohm, 1KHz)	70	2.2	5.5	0.1	N/A	MSOP-10 (FD)
EMA1901	1.25W Mono	1.25 (8ohm, 5V, 1%THD+N)	0.01 (0.4W, 1KHz)	60	2.5	5.5	0.1	N/A	WL-CSP
EMA1903	1W Mono Fully Differential with Shutdown Select	1 (8ohm, 5V, 1%THD+N)	0.008 (0.4W, 8ohm, 1KHz)	73	2.2	5.5	0.1	N/A	WL-CSP
EMA2001	3W Mono with Shutdown mode	3 (3ohm, 5V, 10%THD+N)	0.02 (1W, 4ohm, 1KHz)	60	2.6	5.5	0.1	N/A	MSOP-8, TDFN-8
EMA2004	2.7W Mono Fully Differential	2.7 (4ohm, 5V, 10%THD+N)	0.007 (0.6W, 8ohm, 1KHz, 3.6V)	70	2.5	5.5	0.1	N/A	MSOP-8, TDFN-8
EMA2901	2.5W Mono	2.5 (4ohm, 5V, 10%THD+N)	0.05 (1W, 4ohm, 1KHz)	60	2.5	5.5	0.1	N/A	WL-CSP

ESMT/EMP Audio IC > Class A/B Stereo

Part Number	Description	Po(Max output power, W)	Typical THD+N (%)	PSRR (dB)	Vin min(V)	Vin max(V)	Shutdown current (uA)	Earphone	Package
EMA1201	2W Stereo with Shutdown Mode	2 (4ohm, 5V, 10%THD+N)	0.03 (0.25W, 8ohm, 1KHz)	60	2.5	5.5	0.1	N/A	TQFN-16
EMA2202	2.4W Stereo with DC Vol Control and Selectable Gain	3 (3ohm, 5V, 10%THD+N)	0.3 (1W, 8ohm, 1KHz)	60	2.7	5.5	0.1	Yes	TSSOP-28FD
EMA2203	2.4W Stereo with DC Vol Control and Headphone	3 (3ohm, 5V, 10%THD+N)	0.3 (1W, 8ohm, 1KHz)	60	2.7	5.5	0.1	Yes	TSSOP-20FD
EMA2204	2.7W Stereo Fully Differential	2.7 (4ohm, 5V, 10%THD+N)	0.01 (0.25W, 8ohm, 1KHz, 3.6V)	65	2.2	5.5	0.1	N/A	TSSOP-20FD, TQFN-20
EMA2217	2W Stereo with 4 Selectable Gain Setting	2.45 (4ohm, 5V, 10%THD+N)	0.06 (1.5W, 4ohm, 1KHz)	75	2.5	5.5	0.1	N/A	TSSOP-20FD
EMA1286/1288	2W Stereo Audio Power Amplifier with Headphone Sense	2(4ohm, 5V, 10%THD+N)	0.15(0.25W, 8ohm, 1KHz)	60	2.5	5.5	0.1	Yes (up to 225mW)	TQFN-16

ESMT/EMP Audio IC > Analog Class-D Amplifier

Part Number	Description	Output Power(W)	Typical THD+N(%)	PSRR(dB)	Vdd range	Shutdown current (uA)	Earphone	Package
EMA2011	2.7W Mono Filter-less	2.7(4ohm, 5V, 10%THD+N)	0.24(2.0W, 4ohm, 1KHz)	-60	2.5~5.5	<1	N/A	MSOP8, TDFN-8, WLCSP-9, QFN 32L
AD52661	15W Stereo class-D Audio Amplifier with Power Limit And Dynamic Range Control	15x2	10%(12V/8ohm/10Wx2)	60	8~16.5	20	No	QFN 32L
AD5165A	2.5W Mono, filter-less	2.6(4ohm, 5V, 10%THD+N)	0.17(1.8W, 4ohm, 1KHz)	-65	2.5~5.5	<1	N/A	DFN-8, WLCSP-9
AD5265A	2.5W Stereo	2.5(4ohm, 5V, 10%THD+N)	0.12(1.8W, 4ohm, 1KHz)	-65	2.5~5.5	0.1	Stereo	E-TSSOP-24
AD52660A	10Wx2/20Wx1; Stereo/Mono	15(8ohm, 15V, 10%THD+N)	0.07(7.5W, 8ohm, 1KHz)	-65	8~15; Integrated regulator(5V)	<10	N/A	E-LQFP-48
AD52582A	18Wx2 Stereo	18(4ohm, 24V, 10%THD+N)	0.05(10W, 24V, 4ohm, 1KHz)	-48	3.15~3.6	<50	N/A	E-TSSOP-24
EMA2016	2.5Wx2 Stereo	2.5(4ohm, 5V, 10%THD+N)	0.18(1.8W, 4ohm, 1KHz)	-55	2.8~5.5	<1	N/A	SOP-16
AD52650	2.5W Stereo	2.5(4ohm, 5V, 10%THD+N)	0.12(1.8W, 4ohm, 1KHz)	-65	2.5~5.5	0.1	N/A	E-TSSOP-24
AD52651	3W Stereo	3(4ohm, 5V, 10%THD+N)	0.2(2W, 4ohm, 1kHz)	-55	3~5	<1	N/A	SSOP-24
AD52655	2.5W Stereo with power limit	2.45(4ohm, 5V, 1%THD+N)	0.2(2W, 4ohm, 1KHz)	-55	3~5	<1	N/A	SSOP-24
AD52583	18W Stereo Class-D Audio Amplifier with power limit	18W/Ch into 4ohm @ 10% THD+N	14W/Ch into 4ohm @ 1% THD+N	-66dB	10~26	10	NO	E-TSSOP-24
AD52651C	3W/CH Stereo Filter-less Class-D Audio Amplifier	3W	10	-55	3~5.5	1	No	SSOP-24
AD52652	3W/CH Stereo Filter-less Class-D Audio Amplifier with headphone Driver	3W	10	-66	3~5.5	1	Yes	SSOP-24
AD52653	2.6W/CH Stereo Filter-less Class-D Audio Amplifier	2.6W	10	-65	3~5.5	1	No	SOP-16
AD52580	20W Stereo class-D Audio Amplifier with Power Limit And Dynamic Temperature Control	20W x 2ch without external heat-sink	10% (15Wx2, 16V, 8ohm, 1kHz) ; 10% (10Wx2, 13V, 8ohm, 1kHz)	-62	8~26	10	N/A	E-TSSOP24L & E-TSSOP28L
AD52580B	20W Stereo class-D Audio Amplifier with Power Limit And Dynamic Temperature Control	20W x 2ch without external heat-sink	10% (15Wx2, 16V, 8ohm, 1kHz); 10% (10Wx2, 13V, 8ohm, 1kHz)	-62	8~26	10	N/A	E-TSSOP24L & E-TSSOP28L
AD52656	2.5W/CH@5V Power Limited Stereo Filter-less Class-D Audio Amplifier with Headphone Driver	2.45W	0.1	55	3~5.5	1	Yes	SSOP24
AD52010	3W Stereo Filterless Class D Audio amplifier	3W	0.04	74	2.5~5.5	1	X	ETSSOP14
AD51652	3W Mono Filter-less Class-D Audio Amplifier	3W	n90% @ 8W, THD+N=10%	74	2.5~5.5	1	N/A	TDFN-8L, MSOP8, CSP9
AD51040	3.5W Mono Class D	3.5	0.02	70	5.5	<1uA	X	WCSP9/MSOP8
AD52060	20Wx2 Analog Class D w/ Power limit	20	0.02	70	8~26	12	X	ETSSOP28

ESMT/EMP Audio IC > Digital Class-D Amplifier

Part Number	Description	Output Power(W)	Typical THD+N(%)	PSRR (dB)	Vdd range	Shutdown current (uA)	Earphone	Package
AD8356A-KG	8.7Wx2+16Wx1; 2.1CH	16(4ohm, 12V, 10%THD+N)	0.6(11.2W, 12V, 4ohm, 1KHz)	-60	3.0~12; 3.15~3.45	<50	Yes	LQFP/QFN-48
AD82571A-LEG	10Wx2/20Wx1; Stereo/Mono	38(4ohm, 18V, 10%THD+N)	0.26(12.6W, 18V, 8ohm, 1KHz)	-60	12~18; 3.15~3.45	<250	Yes	E-LQFP-48
AD82550A-CG	3Wx2 Stereo	2.9(4ohm, 5V, 10%THD+N)	0.06(0.025W, 5V, 4ohm, 1KHz)	-60	3.0~5.0; 3.15~3.45	<50	Yes	SSOP-24
AD8256A-KG	16Wx2 Stereo	16(4ohm, 12V, 10%THD+N)	0.6(11.2W, 12V, 4ohm, 1KHz)	-60	3.0~12; 3.15~3.45	<50	Yes	LQFP/QFN-48
AD82571B	12Wx2/24Wx1; Stereo/Mono	36(4ohm, 18V, 10%THD+N)	0.4(12.6W, 18V, 8ohm, 1KHz)	-60	12~18; 3.15~3.45	<30	N/A	E-LQFP-48
AD82581B	12Wx2/24Wx1; Stereo/Mono	65(4ohm, 24V, 10%THD+N)	0.38(21W, 24V, 8ohm, 1KHz)	-60	12~24; 3.15~3.45	<350	N/A	E-LQFP-48, QFN-48
AD82587	15Wx2/30Wx1; Stereo/Mono Digital audio Amplifier	15W x 2ch or 30W x 1ch without external heat-sink	0.27% (10Wx2, 24V, 8ohm, 1kHz); 0.25% (20Wx1, 24V, 4ohm, 1kHz)	-59	10V~26V for loudspeaker driver	10	NA	LQFP-48-FD
AD82581	15Wx2/30Wx1; Stereo/Mono Digital audio Amplifier	15W x 2ch or 30W x 1ch without external heat-sink	0.27% (10Wx2, 24V, 8ohm, 1kHz); 0.25% (20Wx1, 24V, 4ohm, 1kHz)	-59	10~26/3.15~3.45	10	N/A	LQFP-48-FD
AD82571	10Wx2/20Wx1; Stereo/Mono Digital audio Amplifier	10W x 2ch or 20W x 1ch without external heat-sink	0.39%(12.5W, 18V, 8ohm, 1kHz)	-59	12~18/3.15~3.45	10	N/A	LQFP-48-FD, QFN-48
AD83582	2.1CH Digital Audio Amplifier with EQ and Sub-Woofer PWM out	10Wx2+20W 2.1CH	0.25(15Wx2 into 8ohm+20W into 4ohm, 24V, 1KHz)	-60(Vripple =200mVpp @1KHz)	10~26/3.15 ~ 3.45	<20	N/A	LQFP-48-FD
AD82586	15Wx2/30Wx1; Stereo/Mono Digital audio Amplifier with EQ and Sub-Woofer PWM out	15Wx2 or 30Wx1	0.37(27.8W, 24V, 8ohm, 1KHz)	-80(Vripple =1Vrms@1 KHz)	12~24/3.15 ~ 3.45	<20	N/A	LQFP-48-FD
AD83586	2 x25W Stereo/1x50W Mono/ 2x15W+1x30W 2.1CH Digital audio Amplifier with 20 Bands EQ	2 x25W Stereo/1x50W Mono/ 2x15W+1x30W	0.09(25Wx2, 24V, 8ohm, 1KHz)2.0CH	-80(Vripple =1Vrms@1 KHz)	VDD 10~26/DVDD 3.15 ~ 3.45	<20	N/A	LQFP-48-FD
AD82588	2 x15W Stereo/1x30W Mono Digital Audio Amplifier with 18 Bands EQ	2 x15W Stereo/1x30W Mono	15W x 2CH into 8Ω @0.17% THD+N	80	10V~26V for loudspeaker driver	PVDD < 10 uA	NO	E-LQFP-48
AD82587D	2x20W/1x40W; Mono Digital Audio Amplifier	20Wx2	0.24% (20Wx2, 24V, 8ohm, 1kHz)	-77	10V~26V for loudspeaker driver	40	No	LQFP-48-FD, TSSOP-24FD
AD82585	2x20W Stereo Digital Audio Amplifier With DRC	20Wx2?	0.24	-77	10~26	40	No	LQFP-48-FD
AD82586B	2x20W Stereo/1x40W Mono Digital audio Amplifier, with 20 bands EQ Functions and PWM out	20Wx2	0.27	-76	10~26	10	No	LQFP-48-FD
AD82588B	2x20W Stereo/1x40W Mono Digital audio Amplifier, with 20 bands EQ Functions and 2.1CH Mode	20Wx2	0.12	-76	10~26	10	No	LQFP-48-FD
AD82586C	2x20W Stereo Digital audio Amplifier, with 20 bands EQ	20Wx2	0.26	-68	10~26	10	No	E-TSSOP-24L
AD87587	2X20W Stereo / 1x40W Mono Digital Audio Amplifierwith 2Vrms Line Driver	20W x 2ch into 8Ω @ 0.24% THD+N	0.14@P=7.5W	77	10~26V	<100uA	V	E-LQFP-48
AD82584D	2x20W Stereo / 1x 40W Mono Digital Audio Amplifier With 20 bands EQ Functions, DRC and 2.1CH Mode	20W	0.1	71	10~26	13	X	LQFP48

AD83584D	2x20W Stereo / 1x 40W Mono Digital Audio Amplifier With 20 bands EQ Functions, DRC and 2.1CH Mode	20W	0.2	72	10~26	13	x	LQFP48
AD87588	2x20W Stereo / 1x 40W Mono Digital Audio Amplifier With 20 bands EQ Functions, DRC and 2.1CH Mode	20W	0.2	76	10~26	14(for speaker) 100(for line driver)	X	LQFP48
AD83586B	2x25W Stereo / 1x 50W Mono / 2x15W+1x30W 2.1CH Digital Audio Amplifier with 20 Bands EQ	2x25W Stereo / 1x 50W Mono / 2x15W+1x30W 2.1CH	25W x 2CH into 4Ω @0.17% THD+N	-80	10V~26V for loudspeaker driver	200	no	LQFP48-FD
AD87589	20Wx2/1X40W Digital Class D w/i 24EQ	20W	0.15%@10W	70	5~26.4	17	Yes	LQFP48
AD82589	20Wx2/1X40W Digital Class D w/i 24EQ	20W	0.15%@10W	70	5~26.4	17	NO	ETSSOP24
AD82583	20Wx2/1X40W Digital Class D	20W	0.1@7.5W	70	5~26	20	NO	QFN32& ETSSOP24

ESMT/EMP Audio IC > AD Converter

Part Number	Description	Data Format Output	Sampling Frequencies (Fs)	Analog Inputs	Package
AD12250A-SG	24bit, 96kHz Stereo A/D Converter	24-bit I2S	8~96kHz	Single-ended	TSSOP-16

ESMT/EMP Audio IC > USB Audio Device

Part Number	Description	Data Format Output	USB 1.1 compliant	HID buttons	Min. Load (Ohms)	Recording Function	Package
AD6255A	Stereo class-D audio amplifier with USB interface and I2S input and recorder	1Wx2 (Bus-power)	Yes	Yes	4	Yes	LQFP-32
AD62550A	Stereo class-D audio amplifier with USB interface and I2S input	1Wx2 (Bus-power)	Yes	Yes	4	No	LQFP-32
AD62551A	USB controller supports external amplifier and recording function	(Depend on external amplifier)	Yes	Yes	N/A	Yes	LQFP-32
AD62552A	High integrated USB audio controller	75mW x2	Yes	Yes	16	Yes	LQFP-48
AD62550	Stereo class-D audio amplifier with with USB/I2S Interface	1W x 2 (Bus-power)	Yes	Yes	4	No	LQFP-32
AD62555	Stereo class-D audio amplifier with with USB Interface	1W x 2 (Bus-power)	Yes	Yes	4	No	E-TSSOP-24
AD62556	USB Audio controller with Headphone driver	No	Yes	No	HP	Yes	LQFP-48
AD62557	USB audio controller with speaker output	No	Yes	No	4	Yes	LQFP-48
AD62553	USB Audio Controller & Line-in Interface With Class-D Power Amplifier and Headphone Driver	No	Yes	No	4	Yes	LQFP-64

ESMT/EMP Audio IC > Power Stage

Part Number	Description	Output Power	Typical THD+N(%)	PSRR (dB)	Vdd Range(V)	Shutdown Current(uA)	Headphone	Package
AD9256	Digital Amplifier Power Stage	12.5Wx2 at 10%THD+N @15V; 8Wx2 at 10%THD+N @12V	0.07	68	10.8~16.5/3.0~3.6	<10	No	E-TSSOP-24
AD9258	Digital Amplifier Power Stage	15W x 2 at 1% THD+N @ 18V	0.03%	65dB	12 ~ 24V/3.0~3.6	< 10uA	No	E-LQFP-48
AD92580	Digital Amplifier Power Stage	35Wx2 at 10%THD+N@24V	0.15% THD+N 10W x 2 @ 24V,8ohm	65	12~24	10	No	E-TSSOP-24, E-LQFP-48
AD9256H	Digital Amplifier Power Stage	10W x 2 at 0.4% THD+N @ 15V; 8W x 2 at 8.4% THD+N @ 12V	0.05%	65	10.8~16.5/3.0~3.6	<10	No	E-TSSOP-24
AD92580C	Digital Amplifier Power Stage	-20W x 2CH @ THD+N=0.1% into 8W at 24V	0.04%	60	5V to 26V	<15uA	No	E-TSSOP-24

ESMT/EMP Audio IC > Line driver

Part Number	Part number	Description	Typical THD+N	PSRR (dB)	SNR (dB)	Vn (uVrms)	Vdd range(V)	Load (Ohm)	Package
AD22650	AD22650	3Vrms capless line driver with adjustable gain	0.02	80	102	12	3.0~5.5	2.5Kohm	TSSOP-14
AD22653	AD22653	2Vrms capless line driver with adjustable gain	0.02	80	102	12	3.0~3.6	10kohm	TSSOP-14
AD22654	AD22654	3Vrms capless line driver with adjustable gai	0.02	80	102	12	3.0~5.5	2.5Kohm	MSOP10

Crpowtech Audio IC

Part Number	Type	V-in	P-out	THD-N	PSRR (dB)	Package
PT5326	Class D	2.7-5.5V	2.5W	0.11%	70dB/1KHz	QNF16
PT5322	Class AB	2.5-5.5V	2x2.2W	0.01%	85dB/217Hz	TSSOP20
PT5303	Class AB	2.5-5.5V	1.25W	0.05%	80dB/217Hz	MSOP-10 SMD-9
PT5307	Class D	1.8-6.0V	3W	0.03%	70dB/1KHz	MSOP-8
PT5307D	Class D	1.8-6.0V	3W	0.03%	70dB/1KHz	DFN3*3-8
PT5381	Class AB	2.5-5.5V	2W	0.1%	90dB/217Hz 79dB/1KHz	MSOP-8 SMD-9

Eutech Audio IC-Class AB

Part Number	Vin (V)	Speaker	Headphone	No. of Speaker Channel	THD +N @ 1KHz (%)	IQ (mA) (Typ)	PSRR (dB)	Package
EUA4890	2.5 ~ 5.5	1W / 8Ω	N/A	1	0.15	2.4	67	MSOP-8, TDFN-8
EUA4990	2.5~5.5	1.36W / 8Ω	N/A	1	0.083	2.4	60	WCSP-9
EUA6204	2.5 ~ 5.5	1.36W / 8Ω	N/A	1	0.1	4	80	MSOP-8, TDFN-8
EUA6204A	2.5 ~ 5.5	3W / 3Ω	N/A	1	0.1	4	80	SOP-8(FD)
EUA6205	2.5 ~ 5.5	1.25W / 8Ω	N/A	1	0.067	3.4	87	MSOP-8(FD),TDFN-8
EUA4992	2.5 ~ 5.5	2W/4Ω	N/A	2	0.08	6	65	TQFN-16
EUA4996	2.5 ~ 5.5	2.8W/3Ω	N/A	2	0.09	8	86	TQFN-16
EUA6027A	4.5 ~ 5.5	2.5W / 3Ω	N/A	2	0.05	10.7	77	TSSOP-20(FD)
EUA4832	2.7 ~ 5.5	3W / 4Ω	Yes	2	0.05	5	60	TSSOP-28 TQFN-28
EUA5202	2.5 ~ 5.5	2W / 3Ω	Yes	2	0.4	8	58	TSSOP-24(FD)
EUA6412A	4.5 ~ 5.5	2.6W / 3Ω	Yes	2	0.75	5.2	70	TSSOP-24(FD)
EUA6011A	4 ~ 5.5	3W / 3Ω	Yes	2	0.4	7.5	70	TSSOP-24(FD)
EUA6019	4 ~ 5.5	3W / 3Ω	Yes	2	0.4	7.5	70	TSSOP-24(FD)
EUA6029	4 ~ 5.5	2.5W / 4Ω	Yes	2	0.4	7.5	70	DIP-20
EUA6210	2.7 ~ 5.5	N/A	Yes	N/A	0.2	4.1	59	MSOP-8

Eutech Audio IC-Class D

Part Number	Vin (V)	Speaker	Headphone	No. of Speaker Channel	THD +N @ 1KHz (%)	IQ (mA) (Typ)	PSRR (dB)	Package
EUA2011	2.5 ~ 5.5	3W / 4Ω	N/A	1	0.18	4.3	72	TDFN-8, WCSP
EUA2011A	2.5 ~ 5.5	3W / 4Ω	N/A	1	0.18	4.3	72	TDFN-8, WCSP-9
EUA2045	2.5 ~ 5.5	2.8W / 4Ω	N/A	1	0.15	3.5	70	WCSP-9 TDFN-8
EUA2510A	2.7 ~ 5.0	3W / 4Ω	N/A	1	0.28	5.8	72	TDFN-14
EUA2012A	2.5 ~ 5.5	2.5W / 4Ω	N/A	2	0.13	6.2	63	TQFN-20 TSSOP-20
EUA2014	2.5 ~ 5.5	2.5W / 4Ω	N/A	2	0.2	7.3	70	TQFN-24
EUA2008	4.5 ~ 5.5	3W / 3Ω	N/A	2	0.33	7	70	TSSOP-24
EUA2034	2.5 ~ 5.5	3W / 4Ω	-	2	0.2	9.3	60	SOP-16
EUA2035	2.7 ~ 5.5	3W / 4Ω	150mW / 32Ω	2	0.2	15	-	SSOP-24
EUA2105	8 ~ 15	5W / 8Ω	N/A	2	0.2	20	60	TSSOP-28
EUA2313	8 ~ 26	6W / 8Ω	N/A	2	0.2	45	60	TSSOP-28
EUA2310	8 ~ 26	15W / 8Ω	-	2	0.2	45	60	TSSOP-28
EUA2123	10 ~ 30	20W / 4Ω	N/A	2	0.8(10W/4Ω)	27	58	TSSOP-24
EUA2107	8 ~ 24	6.5W / 8Ω	N/A	1	0.08	8	70	TSSOP-24
EUA2112A	8 ~ 26	10W / 8Ω	-	1	-	32	60	TSSOP-28

Eutech Audio IC-Class G

Part Number	Vin (V)	Speaker	Headphone	No. of Speaker Channel	THD +N @ 1KHz (%)	IQ (mA) (Typ)	PSRR (dB)	Package
EUA6230	2.7 ~ 5.0	8Ω	-	1	0.1	4.6	64	TQFN-28
EUA6288	2.7 ~ 5.5	p to 4uF	N/A	1	0.1	4.6	64	TQFN-28
EUA6211	2.7 ~ 5.5	N/A	Yes	N/A	0.03	3.8	80	TDFN-12 WCSP-12

Eutech Power Switch

Part Number	Channel	Vin (V)	RDS(ON)	ILMT	Enable	Fault Flag	IQ(A)	Package
EUP3510	1	2.4 ~ 5.5	150mΩ	1.5A	Active Low	Yes	9u	SOT23-5
EUP3511	1	2.4 ~ 5.5	150mΩ	1.5A	Active Low	Yes	9u	SOT23-5
EUP3545A	1	2.7 ~ 5.5	100mΩ	1.5A/2A/2.5A	Active Low Active High	Yes	11uA	SOT23-5 MSOP-8 / MSOP-8(EP)
EUP3542	2	2.7-5.5	100mΩ	1A	Active Low	Yes	13uA	SOP-8
EUP3546	2	2.7-5.5	95mΩ	1A	Active Low	Yes	13uA	SOP-8
EUP3502A	1	2.5-5.5	100mΩ	2A	Active High	No	70uA	SOT23-5
EUP3504	1	3.3-13.5	100mΩ	2.35A	Active High	No	120uA	SOT23-5
EUP3507	1	2.5-6	0.5Ω	900mA	Active High	No	120uA	SOT23-5 / TDFN-8

AXELITE Power Switch

Number	Package Type	Input Range	Enable Logic	Continuous Output Current (A)	Current Limit (A)	RDS(ON) (VIN=5V) (typ)mΩ	Quiescent Current	Output Turn-On Rise Time (ms)	Output Discharge	Operating Ambient Temp Range (°C)	UL Listed
AX8701	SOT23-8, SOP8, SOP8-EP, MSOP8	4.5 to 5.5 V	Active high	Q1: 1.5 /Q2: 0.5A	Q1: 2.3/Q2: 1.5	Q1: 80mΩ / Q2: 200mΩ	50uA	1.3	-	-40 to +85	Y
AX8710	SOT23-5, MSOP8	2.5 to 5.5 V	Active low	0.5	0.9	80mΩ	35uA	1.5	Y	-40 to +85	In progress
AX8711	SOT23-5, MSOP8	2.5 to 5.5 V	Active low	1	1.5	80mΩ	35uA	1.5	Y	-40 to +85	In progress
AX8712	SOT23-5, MSOP8	2.5 to 5.5 V	Active low	1.5	2.1	80mΩ	35uA	1.5	Y	-40 to +85	In progress
AX8713	SOT23-5, MSOP8	2.5 to 5.5 V	Active low	2	2.5	80mΩ	35uA	1.5	Y	-40 to +85	In progress
AX8720	SOT23-5, MSOP8	2.5 to 5.5 V	Active high	0.5	0.9	80mΩ	35uA	1.5	Y	-40 to +85	In progress
AX8721	SOT23-5, MSOP8	2.5 to 5.5 V	Active high	1	1.5	80mΩ	35uA	1.5	Y	-40 to +85	In progress
AX8722	SOT23-5, MSOP8	2.5 to 5.5 V	Active high	1.5	2.1	80mΩ	35uA	1.5	Y	-40 to +85	In progress
AX8723	SOT23-5, MSOP8	2.5 to 5.5 V	Active high	2	2.5	80mΩ	35uA	1.5	Y	-40 to +85	In progress

Syncpower ESD&Latch Up Protection TVS Array

No.	TYPE	V(BR)	VRWM	IR	PPK	IPP	Cj	Package
		(Min)	(Max)	(Max)	(8/20 us)	(8/20 us)	(Typ)	
		V	V	uA	W	A	pF	
SPE0589	1-Line TVS Diode (Unidirectional)	6	5	1	180	7	0.5	FBP-02C
SPE9X5VU	1-Line TVS Diode (Unidirectional)	6	5	1	180	7	0.5	FBP-02C
SPE0592	1-Line TVS Diode (Bidirectional)	6	5	1	250	7	2	FBP-02C
SPE6V8UH	4-Line TVS Diode	6	5	1	180	7	0.35	MSOP-10L
SPE0581	4-Line TVS Diode	6	5	1	180	7	0.35	DFN-10
SPE6V8UD	4-Line TVS Diode	6	5	1	180	7	0.35	DFN-10
SPE0571	1-Line TVS Diode (Unidirectional)	6	5	1	250	7	10	SOD-723
SPE0572	1-Line TVS Diode (Bidirectional)	6	5	1	250	7	5	SOD-723
SPE0573	1-Line TVS Diode (Bidirectional)	6	5	1	250	7	2	SOD-723
SPE0588	1-Line TVS Diode (Unidirectional)	6	5	1	250	7	0.5	SOD-523
SPE5Z5VU	1-Line TVS Diode (Unidirectional)	6	5	1	250	7	0.5	SOD-523
SPE0511	1-Line TVS Diode (Unidirectional)	6	5	1	250	7	10	SOD-523
SPE0521	1-Line TVS Diode (Bidirectional)	6	5	1	250	7	5	SOD-523
SPE0531	1-Line TVS Diode (Bidirectional)	6	5	1	250	7	2	SOD-523
SPE1211	1-Line TVS Diode (Unidirectional)	13.3	12	1	250	8	16	SOD-523
SPE0562	1-Line TVS Diode (Bidirectional)	6	5	1	250	7	5	SOD-323
SPE0512	2-Line TVS Array	6	5	1	250	7	10	SOT-523
SPE0522	2-Line TVS Array (Bidirectional)	6	5	1	250	7	5	SOT-523
SPE1212	2-Line TVS Array	13.3	12	1	250	8	16	SOT-523
SPE0514	4-Line TVS Array	6	5	1	250	7	10	SOT-563
SPE0515	5-Line TVS Array	6	5	1	250	7	10	SOT-563
SPE0582	2-Line TVS Array	6	5	1	180	5	0.35	SOT-353
SPE6V8UN	2-Line TVS Array	6	5	1	180	5	0.7	SOT-353
SPE0583	4-Line TVS Array	6	5	5	250	5	0.35	SOT-363
SPE6V8UW	4-Line TVS Array	6	5	5	250	5	0.7	SOT-363
SPE0523	5-Line TVS Array	6	5	1	250	7	2	SOT-363
SPE0526	5-Line TVS Array	6	5	1	250	7	5	SOT-363
SPE0534	4-Line TVS Array	6	5	1	250	7	10	SOT-363
SPE0535	5-Line TVS Array	6	5	1	250	7	10	SOT-363
SPE1225	5-Line TVS Array	13.3	12	1	250	8	16	SOT-363
SPE0532	2-Line TVS Array (Bidirectional)	6	5	1	250	7	5	SOT-23
SPE0599	1-Line TVS Diode (Bidirectional)	6	5	1	250	7	5	SOT-23
SPE0584	4-Line TVS Array	6	5	5	250	5	0.35	SOT-23-6L
SPE6V8UF	4-Line TVS Array	6	5	5	250	5	0.7	SOT-23-6L
SPE0525	5-Line TVS Array	6	5	1	250	7	2	SOT-23-6L
SPE0504	4-Line TVS Array	6	5	1	250	7	10	SOT-23-6L
SPE0505	5-Line TVS Array	6	5	1	250	7	10	SOT-23-6L
SPE0506	5-Line TVS Array	6	5	1	250	7	10	SOT-23-6L
SPE0524	3-Line TVS Array	6	5	1	250	7	2	SOT-143A
SPE0544	3-Line TVS Array	6	5	1	250	7	5	SOT-143-A
SPE1244	3-Line TVS Array	13.3	12	1	250	8	10	SOT-143-A

(SOT-23-3L / SOT-23)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V	V	V	A	mΩ	mΩ	mΩ		
SPP2305	P	15	12	0.35	0.85	3.5		70	85	105	1.25	SOT-23-3L	
SPP2305D	P	15	12	0.35	0.85	3.5		70	85	105	1.25	SOT-23	
SPP2305W	P	15	12	0.35	0.85	3.5		70	85	105	1.25	SOT-23	
SPP2301	P	20	12	0.45	1.5	3		120	170		1.25	SOT-23-3L	
SPP2301A	P	20	12	0.45	1.5	3		130	200		1.25	SOT-23-3L	
SPP2301D	P	20	12	0.45	1.5	2.4		128	188		1.25	SOT-23	
SPP2301W	P	20	12	0.45	1.5	2.4		128	188		1.25	SOT-23	
SPP2309	P	20	12	0.35	0.8	2.5		350	480	750	1.25	SOT-23-3L	
SPP2311	P	20	12	0.35	1.0	0.45	650	900	1500	3000	1.25	SOT-23	ESD
SPP2341	P	20	12	0.35	0.9	3.5		45	55	65	1.25	SOT-23-3L	
SPP2345	P	20	12	0.35	0.9	3.5		70	85	110	1.25	SOT-23	
SPP3413	P	20	12	0.35	0.8	3.5		95	120	145	1.25	SOT-23-3L	
SPP3413W	P	20	12	0.35	0.8	3.5		95	120	145	1.25	SOT-23	
SPP2303	P	30	20	1	3	3	130	180			1.25	SOT-23-3L	
SPP2303W	P	30	20	1	3	3	130	180			1.25	SOT-23	
SPP3401	P	30	12	0.4	1	4	55	65	75		1.25	SOT-23-3L	
SPP3401B	P	30	12	0.4	1	4	70	90	115		1.25	SOT-23-3L	
SPP3401D	P	30	12	0.4	1	4	70	90	115		1.25	SOT-23	
SPP3401W	P	30	12	0.4	1	4	70	90	115		1.25	SOT-23	
SPP3403	P	30	12	0.4	1	3.5	100	110	145	200	1.25	SOT-23-3L	
SPP3403D	P	30	12	0.4	1	3.5	100	110	145	200	1.25	SOT-23	
SPP3407	P	30	20	1	3	3.6	60	80			1.25	SOT-23-3L	
SPP3407B	P	30	20	0.8	2.5	4	70	95			1.25	SOT-23-3L	
SPP3407D	P	30	20	0.8	2.5	4	70	95			1.25	SOT-23	
SPP3407W	P	30	20	0.8	2.5	4	70	95			1.25	SOT-23	
SPP2319	P	40	20	0.8	2.5	3.5	96	110			1.25	SOT-23-3L	
SPP2319W	P	40	20	0.8	2.5	3.5	100	130			1.25	SOT-23	
SPP3421	P	60	20	1.0	3.0	5.0	160	200			1.25	SOT-23	
SPN2302	N	20	12	0.45	1.2	3.2		80	95		1.25	SOT-23-3L	
SPN2302A	N	20	12	0.4	1	4		75	95	135	1.25	SOT-23-3L	
SPN2302D	N	20	12	0.45	1.2	3.2		97	113		1.25	SOT-23	
SPN2302W	N	20	12	0.45	1.2	3.2		97	113		1.25	SOT-23	
SPN2308	N	20	12	0.35	1	2		380	450	800	1.25	SOT-23-3L	
SPN2342	N	20	12	0.4	1	4		35	40	48	1.25	SOT-23-3L	
SPN2346W	N	20	12	0.5	1	4		35	40	50	1.25	SOT-23	
SPN3414	N	20	12	0.4	1	4		55	70	90	1.25	SOT-23-3L	
SPN3414W	N	20	12	0.4	1	4		55	70	90	1.25	SOT-23-3L	
SPN2304	N	30	20	1	3	3.6	65	90			1.25	SOT-23-3L	
SPN2304W	N	30	20	1	3	3.6	65	90			1.25	SOT-23	
SPN2306W	N	30	12	0.6	1.8	4.5	38	42	55		1.25	SOT-23	
SPN3400	N	30	12	0.8	1.6	4	38	42	55		1.25	SOT-23-3L	
SPN3400W	N	30	12	0.8	1.6	4	38	42	55		1.25	SOT-23-3L	
SPN3402	N	30	12	0.8	1.6	4	58	65	105		1.25	SOT-23-3L	
SPN3402W	N	30	12	0.8	1.6	4	58	65	105		1.25	SOT-23	
SPN3406	N	30	20	1	3	4	40	50			1.25	SOT-23-3L	
SPN2318	N	40	20	0.5	1	4	56	62	95		1.25	SOT-23-3L	
SPN2318W	N	40	20	0.5	1	4	56	62	95		1.25	SOT-23	
SPN7002L	N	50	20	0.8	1.5	0.8	3500	5500	7500		1.25	SOT-23	
SPN7002	N	60	20	1	2.5	0.5	6000	7000			1.25	SOT-23	
SPN7002K	N	60	20	1	2.5	0.64	3000	3500			1.25	SOT-23	
SPN2324	N	100	20	1	2.5	2.2	330	350			1.25	SOT-23	
SPN5001	N	600	20	3	4.5	0.03	300				1.25	SOT-23	

(SOT-523 / SC-89-3L)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V	V	V	A	mΩ	mΩ	mΩ		
SPP1013	P	20	12	0.35	0.8	0.45		520	700	950	0.27	SOT-523	
SPP1015	P	20	12	0.35	1.0	0.45		520	700	950	0.27	SOT-523	ESD
SPN1012	N	20	12	0.35	1	0.65		380	450	800	0.27	SOT-523	
SPN1014	N	20	12	0.35	1	0.65		380	450	800	0.27	SOT-523	ESD

(SOT-563 / SC-89-6L)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V	A	Ω	Ω	Ω	Ω	W		
SPP1021	P	20	12	0.35	1.0	0.45		0.52	0.7	0.95	0.3	SOT-563	ESD
	P	20	12	0.35	1.0	0.45		0.52	0.7	0.95			
SPP1023	P	20	12	0.35	0.8	0.45		0.52	0.7	0.95	0.3	SOT-563	
	P	20	12	0.35	0.8	0.45		0.52	0.7	0.95			
SPN1022	N	20	12	0.35	1	0.65		0.38	0.45	0.8	0.35	SOT-563	ESD
	N	20	12	0.35	1	0.65		0.38	0.45	0.8			
SPN1024	N	20	12	0.35	1	0.65		0.38	0.45	0.8	0.35	SOT-563	
	N	20	12	0.35	1	0.65		0.38	0.45	0.8			
SPN1026	N	60	20	1	2.5	0.32	5	5.5			0.3	SOT-563	
	N	60	20	1	2.5	0.32	5	5.5					
SPC1016	P	20	12	0.35	0.8	0.45		0.52	0.7	0.95	0.3	SOT-563	
	N	20	12	0.35	1	0.65		0.38	0.45	0.8			
SPC1018	P	20	12	0.35	1.0	0.45		0.52	0.7	0.95	0.3	SOT-563	
	N	20	12	0.35	1	0.65		0.38	0.45	0.8			

(SOT-723)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V	A	mΩ	mΩ	mΩ	mΩ	W		
SPP1071	P	20	12	0.35	1.0	1	280	380	530	0.35	SOT-723	ESD	
SPN1072	N	20	12	0.35	1	1.2	380	450	800	0.35	SOT-723	ESD	
SPP1073	P	30	12	0.35	1	0.45	650	900	1.5	0.15	SOT-723	ESD	

(SOT-323 / SC-70-3L)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V	A	mΩ	mΩ	mΩ	mΩ	W		
SPP1305	P	20	12	0.35	0.8	1	280	380	530	0.33	SOT-323		
SPP1413	P	20	12	0.5	1.8	2.9	130	150		0.33	SOT-323		
SPP7407	P	20	12	0.35	0.8	2.3	100	125	170	0.33	SOT-323		
SPP1433	P	30	20	1	3	2.8	110	140		0.33	SOT-323		
SPP7401	P	30	12	0.4	1	2.8	115	135	170	240	0.33	SOT-323	
SPN1304	N	20	12	0.35	1	2	225	315	425	0.33	SOT-323		
SPN1423	N	20	12	0.45	1.2	2.8	90	100		0.33	SOT-323		
SPN7402	N	20	12	0.35	0.85	2.4	65	80	95	0.33	SOT-323		
SPN1443	N	30	20	1	3	2.8	65	90		0.33	SOT-323		
SPN7400	N	30	12	0.8	1.6	2.8	77	85	110	0.33	SOT-323		
SPN7002U	N	60	20	1	2.5	0.64	2000	4000		0.33	SOT-323		
SPN1306	N	30	12	0.35	1.0	0.65	550	650	850	0.33	SOT-323	ESD	

(SOT-353 / SC-70-5L)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V	A	mΩ	mΩ	mΩ	mΩ	W		
SPP1413A	P	20	12	0.35	0.8	2.3		130	150	190	0.95	SOT-353	
SPP1433A	P	30	12	0.4	1	2.3	120	135	165	195	0.95	SOT-353	
SPN1423A	N	20	12	0.4	1	2.4		80	90	110	0.95	SOT-353	
SPN1443A	N	30	12	0.8	1.6	2.4	95	105	135		0.95	SOT-353	

(SOT-363 / SC-70-6L)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V	A	Ω	Ω	Ω	Ω	W		
SPP6308	P	20	12	0.35	0.8	1		0.52	0.7	0.95	0.35	SOT-363	
	P	20	12	0.35	0.8	1		0.52	0.7	0.95			
SPP6309	P	20	12	0.35	1.0	1		0.52	0.7	0.95	0.35	SOT-363	ESD
	P	20	12	0.35	1.0	1		0.52	0.7	0.95			
SPC6332	P	20	12	0.35	0.8	1		0.52	0.7	0.95	0.35	SOT-363	
	N	20	12	0.35	1	1.2		0.38	0.45	0.8			
SPC6333	P	20	12	0.35	1.0	1		0.52	0.7	0.95	0.35	SOT-363	ESD
	N	20	12	0.35	1	1.2		0.38	0.45	0.8			
SPN6335	N	20	12	0.35	1	1.2		0.38	0.45	0.8	0.35	SOT-363	
	N	20	12	0.35	1	1.2		0.38	0.45	0.8			
SPN6336	N	20	12	0.35	1	1.2		0.38	0.45	0.8	0.35	SOT-363	ESD
	N	20	12	0.35	1	1.2		0.38	0.45	0.8			
SPN6435	N	40	20	1	1.3	0.3	4	5	10		0.35	SOT-363	
	N	40	20	1	1.3	0.3	4	5	10				

SPN7002D	N	60	20	1	2.5	0.5	5	5.5				0.35	SOT-363	
	N	60	20	1	2.5	0.5	5	5.5						
SPN7002T	N	60	20	1	2.5	0.64	2	4				0.35	SOT-363	
	N	60	20	1	2.5	0.64	2	4						
SPN6338	N	30	12	0.35	1	1		550	650	850	0.35	SOT-363	ESD	
	N	30	12	0.35	1	1		550	650	850				
SPP6307	P	30	12	0.35	1	1		650	950	1500	0.35	SOT-363	ESD	
	P	30	12	0.35	1	1		650	950	1500				

(SOT-223)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note	
				Min V	Max V		10V mΩ	4.5V mΩ	2.5V mΩ	1.8V mΩ				
SPN8439	N	30	12	0.8	1.6	5.8		42	54			2.8	SOT-223	
SPN8457	N	30	20	1	3	5.8	58	98				2.8	SOT-223	
SPN8902	N	100	20	1	2.5	2.2	330	350				2.8	SOT-223	

(SOT-89)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note	
				Min V	Max V		10V mΩ	4.5V mΩ	2.5V mΩ	1.8V mΩ				
SPN8910	N	100	20	1	2.5	2.2	320	340				1.5	SOT-89	
SPN8919	N	100	20	1	3	2.8	180					1.5	SOT-89	

(TO-92)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note	
				Min V	Max V		10V Ω	4.5V Ω	2.5V Ω	1.8V Ω				
SPN6001	N	600	20	2	4	1	15					3	TO-92	

(TO-251/TO-252-2L)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note
				Min V	Max V		10V mΩ	4.5V mΩ	2.5V mΩ	1.8V mΩ			
SPP2095	P	20	12	0.32	0.8	12		65	85	105	40	TO-252-2L	
SPP3052	P	30	20	1	3	25	50	85			40	TO-252-2L	
SPP3095	P	30	20	1	3	12	100	150			40	TO-252-2L	
SPP5413	P	40	20	0.8	2.5	18	26	36			40	TO-252-2L	
SPN2038	N	20	16	0.5	1.2	38		20	28		40	TO-252-2L	
SPN2054	N	20	12	0.36	1	12	40			60	40	TO-252-2L	
SPN3006	N	30	20	1	2.5	80	5.5	9			40	TO-252-2L	
SPN3009	N	30	20	1	2.5	51	9	13.5			40	TO-252-2L	
SPN3055	N	30	20	1	3	12	60	90			40	TO-252-2L	
SPN8878	N	30	20	1	3	25	12	17			40	TO-252-2L	
SPN8878B	N	30	20	0.6	1.8	20	14	19			40	TO-252-2L	
SPN8882	N	30	20	0.8	2.4	60	10	14			40	TO-251TO252-2	
SPN5454	N	40	20	0.5	1	20	18	20	28		40	TO-252-2L	
SPN9910	N	60	20	1	2.5	60	12	15			40	TO-251TO252-2	
SPN9971	N	60	20	0.8	2	25	40	45			40	TO-251TO252-2	
SPN9977	N	60	20	0.5	1.5	16	110	115			40	TO-251TO252-2	
SPN05T10	N	100	20	1	2.5	6	320	340			40	TO-252-2L	
SPN09T10	N	100	20	1	3	14	160				40	TO-252-2L	
SPN11T10	N	100	20	1	3	16	120	200			40	TO-252-2L	
SPN30T10	N	100	20	1	3	22	45	50			40	TO-252-2L	
SPN12T20	N	200	20	2	5	18	210				40	TO-252-2L	

(TO-252-5L)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note
				Min V	Max V		10V mΩ	6.0V mΩ	4.5V mΩ	2.5V mΩ			
SPC5604	N	40	20	0.5	1	12	24		28		55	TO-252-5L	
	P	40	20	0.8	2.5	12	32		42		55		

(TO-220)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note
				Min V	Max V		10V mΩ	6.0V mΩ	4.5V mΩ	2.5V mΩ			
SPN6098	N	60	20	1	2.5	60	12		15		62	TO-220-3L	
SPN6099	N	60	20	1	2.5	80	4	4.2	4.4		62	TO-220-3L	
SPN7575	N	75	20	2	4	90	12				62	TO-220-3L	
SPN9507	N	75	20	2	4	80	5				62	TO-220-3L	
SPN3632	N	100	20	2	4	80	8.5		10		62	TO-220-3L	

SPN7510	N	100	20	1	3	72	16		21		62	TO-220-3L	
SPN10T10	N	100	20	1	3	9	160				62	TO-220F-3L	
SPN65T10	N	100	20	2.0	4.0	68	14.0				62	TO-220-3L	
SPN50T10	N	100	20	2.0	4.0	65	18				62	TO-220-3L	
SPN80T10	N	100	20	2.0	4.0	85	7.1				62	TO-220-3L	
SPN80T06	N	60	20	1	3	85	8		10		62	TO-220-3L	

(TSOT-23-6L)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note
				Min V	Max V		10V mΩ	4.5V mΩ	2.5V mΩ	1.8V mΩ			
				SPC6601	P		30	12	0.4	1			
	N	30	12	0.8	1.6	2.5	68	78	108				
SPC6604	P	20	12	0.35	0.8	3.4		85	110	130	1.15	TSOT-23-6L	
	N	20	12	0.4	1	4		50	60	75			

(SOT-23-6L)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note
				Min V	Max V		10V mΩ	4.5V mΩ	2.5V mΩ	1.8V mΩ			
				SPP6506	P		30	20	1	3			
	P	30	20	1	3	2.8	105	135					
SPP6507	P	30	12	0.4	1	2.8		115	150	215	1.15	SOT-23-6L	
	P	30	12	0.4	1	2.8		115	150	215			
SPN2622	N	20	12	0.4	1	4		80	100		1.15	SOT-23-6L	
	N	20	12	0.4	1	4		80	100				
SPN6561	N	30	20	1	3	2.8	60	80			1.15	SOT-23-6L	
	N	30	20	1	3	2.8	60	80					
SPN6562	N	30	12	0.8	1.6	2.8		75	105		1.15	SOT-23-6L	
	N	30	12	0.8	1.6	2.8		75	105				
SPN5002	N	500	20	1.75	3.25	0.025		250Ω	250Ω		1.3	SOT-23-6L	
SPN2326	N	110	20	1	2.5	3.0	310						
SPP2327	P	110	20	1	2.5	1.5	650	750			1.15	SOT-23-6L	

(TSOP-6P)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note
				Min V	Max V		10V mΩ	4.5V mΩ	2.5V mΩ	1.8V mΩ			
				SPP3467	P		20	12	0.35	0.8			
SPP3481	P	30	20	1	3	5.2	55	75			1.15	TSOP-6P	
SPP3481B	P	30	20	0.8	2.5	5.2	60	88			1.15	TSOP-6P	
SPN3446	N	20	12	0.4	1	5.3		48	65	90	1.15	TSOP-6P	
SPN3456	N	30	20	1	3	6	40	50			1.15	TSOP-6P	
SPN3458	N	60	20	0.5	1.5	5	115	125			1.15	TSOP-6P	
SPC6602	P	30	20	1	3	2.6	105	135			1.15	TSOP-6P	
	N	30	20	1	3	2.5	60	80					
SPC6605	P	20	12	0.45	1.2	2.4		97	113		1.15	TSOP-6P	
	N	20	12	0.45	1.2	3.2		128	188				

(SOP-8P)

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note
				Min V	Max V		10V mΩ	4.5V mΩ	2.5V mΩ	1.8V mΩ			
				SPP4403	P		20	12	0.3	0.8			
SPP9434	P	20	12	0.35	0.9	7.6		40	52	70	2.8	SOP-8P	
SPP9235	P	25	20	1	2	8	45	65			2.8	SOP-8P	
SPP4435	P	30	20	1	3	10	25	35			2.8	SOP-8P	
SPP4435B	P	30	20	0.7	1.6	10	24	30			2.8	SOP-8P	
SPP4435W	P	30	20	0.7	1.6	10	24	30			2.8	SOP-8P	
SPP9433W	P	30	20	1	2.5	6	42	78			2.8	SOP-8P	
SPP9435	P	30		1	3	6.8	60	80			2.8	SOP-8P	
SPP9435B	P	30	20	0.8	2.5	7.2	65	90			2.8	SOP-8P	
SPP9435W	P	30	20	0.8	2.5	7.2	65	90			2.8	SOP-8P	
SPP9437	P	30	12	0.4	1	6.8	45	50	65		2.8	SOP-8P	
SPP9547	P	40	20	0.8	2.5	7.2	95	110			2.8	SOP-8P	
SPP9527	P	40	20	0.8	2.5	10	38	46			2.8	SOP-8P	
SPP9527W	P	40	20	0.8	2.5	10	38	46			2.8	SOP-8P	
SPP9517	P	40	20	0.8	2.5	10	16	22			2.8	SOP-8P	
SPP7465	P	60	20	0.8	2.5	8	90	100			2.8	SOP-8P	
SPN4416	N	20	12	0.6	1.4	10		14	28		2.8	SOP-8P	
SPN4416B	N	20	12	0.6	1.4	10		12	25		2.8	SOP-8P	

Part No.	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V	V	V	mΩ	mΩ	mΩ	mΩ		
SPN4426	N	20	12	0.4	1	7.4		28	38	42	2.8	SOP-8P	
SPN4428	N	20	20	0.5	1.2	9		20	28		2.8	SOP-8P	
SPN4402	N	30	20	1	3	12	13	18			2.8	SOP-8P	
SPN4402B	N	30	20	0.6	1.8	12	15	18			2.8	SOP-8P	
SPN4402W	N	30	20	0.6	1.8	12	15	18			2.8	SOP-8P	
SPN4412	N	30	20	1	3	6.8	28	36			2.8	SOP-8P	
SPN4412B	N	30	20	0.6	1.8	7.2	35	46			2.8	SOP-8P	
SPN4346	N	30	12	0.8	1.6	6.8	26	34	40		2.8	SOP-8P	
SPN4392W	N	30	20	1	2	13	8	12			2.8	SOP-8P	
SPN4506	N	40	20	0.5	1	10	10	12	16		2.8	SOP-8P	
SPN4526	N	40	20	0.5	1	10	25	30	36		2.8	SOP-8P	
SPN4526W	N	40	20	0.5	1	10	25	30	36		2.8	SOP-8P	
SPN4546	N	40	20	0.5	1	6	48	55	80		2.8	SOP-8P	
SPN4436	N	60	20	0.8	2	8	38	44			2.8	SOP-8P	
SPN4436W	N	60	20	0.8	2	8	38	44			2.8	SOP-8P	
SPN4850	N	60	20	1	3	8	27	32			2.8	SOP-8P	
SPN5003	N	500	20	1.75	3.25	0.025		250Ω	250Ω		1.3	SOP-8P	
SPP4931	P	20	12	0.35	0.9	8.5		20	25	35	2.8	SOP-8P	
	P	20	12	0.35	0.9	8.5		20	25	35			
SPP4931W	P	20	12	0.35	0.9	8.5		20	25	35	2.8	SOP-8P	
	P	20	12	0.35	0.9	8.5		20	25	35			
SPP4953	P	30	20	1	3	6.2	60	90			2.8	SOP-8P	
	P	30	20	1	3	6.2	60	90					
SPP4953B	P	30	20	0.8	2.5	6.2	65	95			2.8	SOP-8P	
	P	30	20	0.8	2.5	6.2	65	95					
SPP4953W	P	30	20	0.8	2.5	6.2	65	95			2.8	SOP-8P	
	P	30	20	0.8	2.5	6.2	65	95					
SPP4925	P	30	20	1	3	7.2	25	40			2.8	SOP-8P	
	P	30	20	1	3	7.2	25	40					
SPP4925B	P	30	20	0.7	1.6	7.2	24	30			2.8	SOP-8P	
	P	30	20	0.7	1.6	7.2	24	30					
SPP4925W	P	30	20	0.7	1.6	7.2	24	30			2.8	SOP-8P	
	P	30	20	0.7	1.6	7.2	24	30					
SPN9926	N	20	12	0.4	1	5		50	65	90	2.8	SOP-8P	
	N	20	12	0.4	1	5		50	65	90			
SPN9926B	N	20	12	0.5	1	6.8		33	38		2.8	SOP-8P	
	N	20	12	0.5	1	6.8		33	38				
SPN9926W	N	20	12	0.4	1	5		50	70	90	2.8	SOP-8P	
	N	20	12	0.4	1	5		50	70	90			
SPN9928W	N	20	12	0.5	1	6.8		25	32	50	2.8	SOP-8P	
	N	20	12	0.5	1	6.8		25	32	50			
SPN4920	N	30	20	1	3	6.8	28	36			2.8	SOP-8P	
	N	30	20	1	3	6.8	28	36					
SPN4920W	N	30	20	0.6	1.8	7.2	35	46			2.8	SOP-8P	
	N	30	20	0.6	1.8	7.2	35	46					
SPN4972	N	30	20	1	3	8.5	14	18			2.8	SOP-8P	
	N	30	20	1	3	8.5	14	18					
SPN4972B	N	30	20	0.6	1.8	8.5	17	20			2.5	SOP-8P	
	N	30	20	0.6	1.8	8.5	17	20					
SPN4906	N	40	20	0.5	1	6	45	54	83		2.8	SOP-8P	
	N	40	20	0.5	1	6	45	54	83				
SPN4910	N	40	20	0.5	1	10	20	24	30		2.8	SOP-8P	
	N	40	20	0.5	1	10	20	24	30				
SPN4900	N	60	20	0.5	1.5	4.2	118	125			2.8	SOP-8P	
	N	60	20	0.5	1.5	4.2	118	125					
SPN4946	N	60	20	0.8	2	7	44	50			2.8	SOP-8P	
	N	60	20	0.8	2	7	44	50					
SPN4946W	N	60	20	0.8	2	8	42	48			2.8	SOP-8P	
	N	60	20	0.8	2	8	42	48					
SPN4992	N	100	20	1	3	2.8	180				2.8	SOP-8P	
	N	100	20	1	3	2.8	180						
SPC4516	N	30	20	1	3	8.5	14	20			2.8	SOP-8P	
	P	30	20	1	3	7.2	25	40					
SPC4516B	N	30	20	0.6	1.8	8.5	17	20			2.8	SOP-8P	
	P	30	20	0.7	1.6	8.2	24	30					
SPC4533	N	30	20	1	3	8.4	18	36			2.8	SOP-8P	
	P	30	20	1	3	6	36	65					
SPC4533W	N	30	20	1	2.5	6.8	25	36			2.8	SOP-8P	
	P	30	20	1	2.5	6	42	78					

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V		A	mΩ	mΩ	mΩ			
SPC4539	N	30	20	1	3	6.8	34	46			2.8	SOP-8P	
	P	30	20	1	3	6.2	60	80					
SPC4539B	N	30	20	0.6	1.8	7.2	35	46			2.8	SOP-8P	
	P	30	20	0.8	2.5	6.8	70	100					
SPC4527	N	40	20	0.5	1	10	25	30	36		2.8	SOP-8P	
	P	40	20	0.8	2.5	10	38	46					
SPC4567	N	40	20	0.5	1	6	53	63	78		2.8	SOP-8P	
	P	40	20	0.8	2.5	7.2	95	110					
SPC4567W	N	40	20	0.5	1	6	53	63	78		2.8	SOP-8P	
	P	40	20	0.8	2.5	7.2	95	110					
SPC1810	N	100	20	1	3	8	160				2.8	SOP-8P	
	P	100	20	1	3	8	160	200					

(TSSOP-8P)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V		A	mΩ	mΩ	mΩ			
SPP8803	P	20	12	0.35	0.9	7		20	25	35	1.5	TSSOP-8P	
	P	20	12	0.35	0.9	7		20	25	35			
SPP8803B	P	20	12	0.35	0.9	7		22	28	40	1.5	TSSOP-8P	
	P	20	12	0.35	0.9	7		22	28	40			
SPN8205W	N	20	8	0.25	1	5		24	34	80	1.5	TSSOP-8P	
	N	20	8	0.25	1	5		24	34	80			
SPN8822	N	20	12	0.4	1	8		24	32	42	1.5	TSSOP-8P	
	N	20	12	0.4	1	8		24	32	42			
SPN8822A	N	20	12	0.4	1	7.2		30	42		1.5	TSSOP-8P	
	N	20	12	0.4	1	7.2		30	42				

(DIP-8)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V		A	mΩ	mΩ	mΩ			
SPN5003	N	500	20	0.75	2.25	0.03	250Ω	250Ω			1.3	DIP-8P	

(TDFN-6)

Part No.	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)				PD 25°C	Package	Note
				Min	Max		10V	4.5V	2.5V	1.8V			
				V	V		A	mΩ	mΩ	mΩ			
SPN8206	N	20	12	0.5	1.5	11		8.2	11			TDFN-6P	