

产品目录

Syncpower

1.同步整流 IC

Synchronous Rectifier Driver IC (Flyback)							
Part No. Datasheet	Product Description	VSYNC (Max)	VDD (Max)	VOUT (Typ)	Frequency (Max)	Package	Status
		V	V	V	KHZ		
SP6003	Flyback Synchronous Rectifier Driver	7	7	5	350	SOP-8P	Active
SP6003A	Flyback Synchronous Rectifier Driver	7	7	5	650	SOP-8P	Active
SP6013	Flyback Synchronous Rectifier Driver	7	17	12	650	SOP-8P	Active
SP6013A	Flyback Synchronous Rectifier Driver	7	17	12	650	SOP-8P	Active

Synchronous Rectifier Driver IC (Forward)							
Part No. Datasheet	Product Description	VSYNC (Max)	VDD (Max)	VOUT (Typ)	Frequency (Max)	Package	Status
		V	V	V	KHZ		
SP6002	Forward Synchronous Rectifier Driver	7	7	5	650	SOP-8P	Active
SP6012	Forward Synchronous Rectifier Driver	7	17	12	650	SOP-8P	Active

2.Trench Mosfet

Trench Power MOSFET (SOT-23-3L)														
Part No. Datasheet	TYPE	VDSS	VGS	VTH		IDS 25°C	RDS(Max)					PD 25°C	Package	Status
				Min	Max		10V	4.5V	2.5V	1.8V	1.25V			
				V	V		A	mΩ	mΩ	mΩ	mΩ			
SPP2301	P	20	12	0.45	1.5	3.0		120	170			1.25	SOT-23-3L	Active
SPN2302	N	20	12	0.45	1.2	3.2		80	95			1.25	SOT-23-3L	Active
SPP2303	P	30	20	1.0	3.0	3.0	130	180				1.25	SOT-23-3L	Active
SPN2304	N	30	20	1.0	3.0	3.2	65	90				1.25	SOT-23-3L	Active
SPP2305	P	15	12	0.35	0.85	3.5		70	85	105		1.25	SOT-23-3L	Active
SPN2308	N	20	12	0.35	1.0	2.0		380	450	800		1.25	SOT-23-3L	Active
SPP2301A	P	20	12	0.45	1.5	3.0		150	275			1.25	SOT-23-3L	Active
SPN2302A	N	20	12	0.4	1.0	4.0		75	95	135		1.25	SOT-23-3L	Active
SPP2341	P	20	12	0.35	0.9	3.5		45	55	65		1.25	SOT-23-3L	Active
SPN2342	N	20	12	0.4	1.0	4.0		35	40	48		1.25	SOT-23-3L	Active

SPP3413	P	20	12	0.35	0.8	3.5		95	120	145	210	1.25	SOT-23-3L	Active
SPN3414	N	20	12	0.4	1.0	4.0		55	70	90	140	1.25	SOT-23-3L	Active
SPP3401	P	30	12	0.4	1.0	4.0	55	65	75			1.25	SOT-23-3L	Active
SPN3400	N	30	12	0.8	1.6	4.0	38	42	55			1.25	SOT-23-3L	Active
SPP3403	P	30	12	0.4	1.0	3.5	100	110	145	200		1.25	SOT-23-3L	Active
SPN3402	N	30	12	0.8	1.6	4.0	58	65	105			1.25	SOT-23-3L	Active
SPP3407	P	30	20	1.0	3.0	3.6	60	80				1.25	SOT-23-3L	Active
SPN3406	N	30	20	1.0	3.0	4.0	40	50				1.25	SOT-23-3L	Active

Trench Power MOSFET (SOT-523 / SC-89-3L)

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

Trench Power MOSFET (SOT-563 / SC-89-6L)

Part No. Datasheet	TYPE	VDSS V	VGS V	VTH		IDS A	RDS(Max)					PD W	Package	Status	
				Min	Max		25°C	10V	5.0V	4.5V	2.5V				1.8V
				V	V		A	Ω	Ω	Ω	Ω				Ω
SPP1023	P	20	12	0.35	0.8	0.45			0.52	0.70	0.95	0.3	SOT-563	Active	
	P	20	12	0.35	0.8	0.45			0.52	0.70	0.95				
SPN1024	N	20	12	0.35	1.0	0.65			0.38	0.45	0.80	0.3	SOT-563	Active	
	N	20	12	0.35	1.0	0.65			0.38	0.45	0.80				
SPC1016	P	20	12	0.35	0.8	0.45			0.52	0.70	0.95	0.3	SOT-563	Active	
	N	20	12	0.35	1.0	0.65			0.38	0.45	0.80				
SPN1026	N	60	20	1.0	2.5	0.32	4.0	5.0				0.3	SOT-563	Active	
	N	60	20	1.0	2.5	0.32	4.0	5.0							

Trench Power MOSFET (SOT-323 / SC-70-3L)

Part No. Datasheet	TYPE	VDSS V	VGS V	VTH		IDS A	RDS(Max)				PD W	Package	Status	
				Min	Max		25°C	10V	4.5V	2.5V				1.8V
				V	V		A	mΩ	mΩ	mΩ				mΩ
SPP7407	P	20	12	0.35	0.8	2.3			100	125	170	0.33	SOT-323	Active
SPN7402	N	20	12	0.35	0.85	2.4			65	80	95	0.33	SOT-323	Active
SPP7401	P	30	12	0.4	1.0	2.8	115	135	170	240		0.33	SOT-323	Active

SPN7400	N	30	12	0.8	1.6	2.8	77	85	110			0.33	SOT-323	Active
SPP1413	P	20	12	0.5	1.8	2.9	130	150				0.33	SOT-323	Active
SPN1423	N	20	12	0.45	1.2	2.8		90	100			0.33	SOT-323	Active
SPP1433	P	30	20	1.0	3.0	2.8	110	140				0.33	SOT-323	Active
SPN1443	N	30	20	1.0	3.0	2.8	65	90				0.33	SOT-323	Active
SPP1305	P	20	12	0.35	0.8	1.0		280	380	530		0.33	SOT-323	Active
SPN1304	N	20	12	0.35	1.0	2.0		225	315	425		0.33	SOT-323	

Trench Power MOSFET (SOT-353 / SC-70-5L)

Part No.	TYPE	VDSS	VGS	VTH		IDS	RDS(Max)					PD	Package	Status	
				Min	Max		25°C	10V	4.5V	2.5V	1.8V				1.25V
				V	V		A	mΩ	mΩ	mΩ	mΩ				mΩ
SPP1413A	P	20	12	0.35	0.8	2.3		130	150	190		0.95	SOT-353	Active	
SPN1423A	N	20	12	0.4	1.0	2.4		80	90	110	140	0.95	SOT-353	Active	
SPP1433A	P	30	12	0.4	1.0	2.3	120	135	165	195		0.95	SOT-353	Active	
SPN1443A	N	30	12	0.8	1.6	2.4	95	105	135			0.95	SOT-353	Active	

Trench Power MOSFET (SOT-363 / SC-70-6L)

Part No.	TYPE	VDSS	VGS	VTH		IDS	RDS(Max)					PD	Package	Status	
				Min	Max		25°C	10V	5.0V	4.5V	2.5V				1.8V
				V	V		A	Ω	Ω	Ω	Ω				Ω
SPP6308	P	20	12	0.35	0.8	1.0			0.52	0.70	0.95	0.35	SOT-363	Active	
	P	20	12	0.35	0.8	1.0			0.52	0.70	0.95				
SPN6335	N	20	12	0.35	1.0	1.2			0.38	0.45	0.80	0.35	SOT-363	Active	
	N	20	12	0.35	1.0	1.2			0.38	0.45	0.80				
SPC6332	P	20	12	0.35	0.8	1.0			0.52	0.70	0.95	0.35	SOT-363	Active	
	N	20	12	0.35	1.0	1.2			0.38	0.45	0.80				
SPN6435	N	40	20	1.0	1.3	0.3	4.0	5.0		10.0		0.35	SOT-363	Active	
	N	40	20	1.0	1.3	0.3	4.0	5.0		10.0					
SPN7002D	N	60	20	1.0	2.5	0.5	5.0	5.5				0.35	SOT-363	Active	
	N	60	20	1.0	2.5	0.5	5.0	5.5							

Trench Power MOSFET (SOT-223)

Part No.	TYPE	VDSS	VGS	VTH		IDS	RDS(Max)				PD	Package	Status	
				Min	Max		25°C	10V	4.5V	2.5V				1.8V
				V	V		A	mΩ	mΩ	mΩ				mΩ

SPN8457	N	30	20	1.0	3.0	5.8	58	98			2.8	SOT-223	Active
SPN8439	N	30	12	0.8	1.6	5.8		42	54		2.8	SOT-223	Active
Trench Power MOSFET (SOP-8P)													
Part No. Datasheet	TYPE	VDSS V	VGS V	VTH		IDS 25°C A	RDS(Max)				PD 25°C W	Package	Status
				Min V	Max V		10V mΩ	4.5V mΩ	2.5V mΩ	1.8V mΩ			
SPP9434	P	20	12	0.35	0.9	7.6		40	52	62	2.8	SOP-8P	Active
SPP9435	P	30	20	1.0	3.0	6.8	60	80			2.8	SOP-8P	Active
SPP9435A	P	30	20	1.0	3.0	6.8	65	100			2.8	SOP-8P	Active
SPP9235	P	25	20	1.0	2.0	8.0	45	65			2.8	SOP-8P	Active
SPP9437	P	30	12	0.4	1.0	6.8	45	50	65		2.8	SOP-8P	Active
SPP9547	P	40	20	1.0	3.0	6.8	55	80			2.8	SOP-8P	
SPN4426	N	20	12	0.4	1.0	7.4		28	38	42	2.8	SOP-8P	Active
SPN4412	N	30	20	1.0	3.0	6.8	28	36			2.8	SOP-8P	Active
SPN4346	N	30	12	0.8	1.6	6.8	26	34	40		2.8	SOP-8P	Active
SPN4392	N	30	20	0.6	1.6	22	8	12			2.8	SOP-8P	Active
SPN9926	N	20	12	0.4	1.0	5.0		50	65	90	2.8	SOP-8P	Active
	N	20	12	0.4	1.0	5.0		50	65	90			
SPN9926A	N	20	12	0.6	1.2	5.0		30	42		2.8	SOP-8P	Active
	N	20	12	0.6	1.2	5.0		30	42				
SPP4953	P	30	20	1.0	3.0	6.2	60	90			2.8	SOP-8P	Active
	P	30	20	1.0	3.0	6.2	60	90					
SPP4953A	P	30	20	1.0	3.0	6.2	70	105			2.8	SOP-8P	Active
	P	30	20	1.0	3.0	6.2	70	105					
SPN4920	N	30	20	1.0	3.0	7.2	28	36			2.8	SOP-8P	Active
	N	30	20	1.0	3.0	7.2	28	36					
SPN4920A	N	30	20	1.0	3.0	6.8	35	45			2.8	SOP-8P	Active
	N	30	20	1.0	3.0	6.8	35	45					
SPC4539	N	30	20	1.0	3.0	6.8	34	46			2.8	SOP-8P	Active
	P	30	20	1.0	3.0	6.2	60	80					
SPC4539A	N	30	20	1.0	3.0	6.8	42	54			2.8	SOP-8P	
	P	30	20	1.0	3.0	6.2	70	105					
Trench Power MOSFET (TSSOP-8P)													

Part No.	TYPE	VDSS	VGS	VTH		IDS	RDS(Max)				PD	Package	Status		
				Min	Max		25°C	10V	4.5V	2.5V				1.8V	25°C
				V	V		A	mΩ	mΩ	mΩ				mΩ	W
SPN8822	N	20	12	0.4	1.0	8.0			24	32	42	1.5	TSSOP-8P	Active	
	N	20	12	0.4	1.0	8.0			24	32	42				
SPN8822A	N	20	12	0.4	1.0	7.2			30	42		1.5	TSSOP-8P	Active	
	N	20	12	0.4	1.0	7.2			30	42					

Trench Power MOSFET (TO-252-2L)

Part No.	TYPE	VDSS	VGS	VTH		IDS	RDS(Max)					PD	Package	Status		
				Min	Max		25°C	10V	5.0V	4.5V	2.5V				1.8V	25°C
				V	V		A	mΩ	mΩ	mΩ	mΩ				mΩ	W
SPP2095	P	20	12	0.32	0.8	12			65	85	105	40	TO-252-2L	Active		
SPN2054	N	20	12	0.36	1.0	12	40		45	50	60	40	TO-252-2L	Active		
SPP3095	P	30	20	1.0	3.0	12	100		135			40	TO-252-2L	Active		
SPN3055	N	30	20	1.0	3.0	12	60		80			40	TO-252-2L	Active		
SPP3052	P	30	20	1.0	3.0	25	50	85				40	TO-252-2L	Active		
SPN8882	N	30	20	0.8	2.4	60	10		14			40	TO-252-2L	Active		

Trench Power MOSFET (TO-251)

Part No.	TYPE	VDSS	VGS	VTH		IDS	RDS(Max)					PD	Package	Status		
				Min	Max		25°C	10V	5.0V	4.5V	2.5V				1.8V	25°C
				V	V		A	mΩ	mΩ	mΩ	mΩ				mΩ	W
SPN8882	N	30	20	0.8	2.4	60	10		14			55	TO-251	Active		

Trench Power MOSFET (SOT-23-6L)

Part No.	TYPE	VDSS	VGS	VTH		IDS	RDS(Max)				PD	Package	Status		
				Min	Max		25°C	10V	4.5V	2.5V				1.8V	25°C
				V	V		A	mΩ	mΩ	mΩ				mΩ	W
SPP6506	P	30	20	1.0	3.0	2.8	105	135			1.15	SOT-23-6L	Active		
	P	30	20	1.0	3.0	2.8	105	135							
SPP6507	P	30	12	0.4	1.0	2.8		115	150	215	1.15	SOT-23-6L	Active		
	P	30	12	0.4	1.0	2.8		115	150	215					
SPN6561	N	30	20	1.0	3.0	2.8	60	80			1.15	SOT-23-6L	Active		
	N	30	20	1.0	3.0	2.8	60	80							
SPN6562	N	30	12	0.8	1.6	2.8		75	105		1.15	SOT-23-6L	Active		

	N	30	12	0.8	1.6	2.8		75	105						
Trench Power MOSFET (TSOP-6P)															
Part No. Datasheet	TYPE	VDSS V	VGS V	VTH		IDS A	RDS(Max)					PD W	Package	Status	
				Min	Max		10V	4.5V	2.5V	1.8V	1.25V				
				V	V		mΩ	mΩ	mΩ	mΩ	mΩ				
SPP3467	P	20	12	0.35	0.8	5.2		90	110	140		1.15	TSOP-6P	Active	
SPN3446	N	20	12	0.4	1.0	5.3		48	65	90		1.15	TSOP-6P	Active	
SPP3481	P	30	20	1.0	3.0	5.2	55	75				1.15	TSOP-6P	Active	
SPN3456	N	30	20	1.0	3.0	6.0	40	50				1.15	TSOP-6P	Active	
SPC6601	P	30	12	0.4	1.0	2.6	105	120	150			1.15	TSOP-6P	Active	
	N	30	12	0.8	1.6	2.5	68	78	108						
SPC6602	P	30	20	1.0	3.0	2.6	105	135				1.15	TSOP-6P	Active	
	N	30	20	1.0	3.0	2.5	60	80							
SPC6604	P	20	12	0.35	0.8	3.4		85	110	130	200	1.15	TSOP-6P	Active	
	N	20	12	0.4	1.0	4.0		50	60	75	120				
Trench Power MOSFET + Schottky (TSOP-6P)															
Part No. Datasheet	TYPE	VDSS (VKA) V	VGS V	VTH		IDS (IF) A	VF V	RDS(Max)				PD W	Package	Status	
				Min	Max			0.5A	10V	4.5V	2.5V				1.8V
				V	V			mΩ	mΩ	mΩ	mΩ				
SPC6801	P	30	12	0.4	1.0	2.6		105	120	150		1.15	TSOP-6P	Active	
	Schottky	20				1.0	0.5								
	Schottky	20				1.0	0.5								

3.TVS ESD 保护器件

ESD & Latch Up Protection Array (SOD-723)										
Part No. Datasheet	Product Description	V(BR) (Min)	VRWM (Max)	IR (Max)	PPK (8/20 us)	IPP (8/20 us)	Cj (Typ)	Package	Status	
		V	V	uA	W	A	pF			
SPE0571	1-Line TVS Diode	6	5	1	250	7	10	SOD-723	Active	
SPE0572	1-Line TVS Diode	6	5	1	250	7	5	SOD-723	Active	

	(Bidirectional)								
ESD & Latch Up Protection Array (SOD-523)									
Part No. Datasheet	Product Description	V (BR) (Min)	VRWM (Max)	IR (Max)	PPK (8/20 us)	IPP (8/20 us)	Cj (Typ)	Package	Status
		V	V	uA	W	A	pF		
SPE0511	1-Line TVS Diode	6	5	1	250	7	10	SOD-523	Active
SPE0521	1-Line TVS Diode (Bidirectional)	6	5	1	250	7	5	SOD-523	Active
SPE1211	1-Line TVS Diode	13.3	12	1	250	8	16	SOD-523	Develop
ESD & Latch Up Protection Array (SOT-523 / SC-89-3L)									
Part No. Datasheet	Product Description	V (BR) (Min)	VRWM (Max)	IR (Max)	PPK (8/20 us)	IPP (8/20 us)	Cj (Typ)	Package	Status
		V	V	uA	W	A	pF		
SPE0512	2-Line TVS Array	6	5	1	250	7	10	SOT-523	Active
SPE0522	2-Line TVS Array (Bidirectional)	6	5	1	250	7	5	SOT-523	Active
SPE1212	2-Line TVS Array	13.3	12	1	250	8	16	SOT-523	Active
ESD & Latch Up Protection Array (SOT-563 / SC-89-6L)									
Part No. Datasheet	Product Description	V (BR) (Min)	VRWM (Max)	IR (Max)	PPK (8/20 us)	IPP (8/20 us)	Cj (Typ)	Package	Status
		V	V	uA	W	A	pF		
SPE0514	4-Line TVS Array	6	5	1	250	7	10	SOT-563	Active
SPE0515	5-Line TVS Array	6	5	1	250	7	10	SOT-563	Active
ESD & Latch Up Protection Array (SOT-363 / SC-70-6L)									
Part No. Datasheet	Product Description	V (BR) (Min)	VRWM (Max)	IR (Max)	PPK (8/20 us)	IPP (8/20 us)	Cj (Typ)	Package	Status
		V	V	uA	W	A	pF		
SPE0526	5-Line TVS Array	6	5	1	250	7	5	SOT-363	Active

	(Bidirectional)								
SPE0534	4-Line TVS Array	6	5	1	250	7	10	SOT-363	Active
SPE0535	5-Line TVS Array	6	5	1	250	7	10	SOT-363	Active
SPE1224	4-Line TVS Array	13.3	12	1	250	8	16	SOT-363	Develop
SPE1225	5-Line TVS Array	13.3	12	1	250	8	16	SOT-363	Active

ESD & Latch Up Protection Array (SOT-23-6L)

Part No. Datasheet	Product Description	V(BR) (Min)	VRWM (Max)	IR (Max)	PPK (8/20 us)	IPP (8/20 us)	Cj (Typ)	Package	Status
		V	V	uA	W	A	pF		
SPE0504	4-Line TVS Array	6	5	1	250	7	10	SOT-23-6L	Active
SPE0505	5-Line TVS Array	6	5	1	250	7	10	SOT-23-6L	Active
SPE0506	5-Line TVS Array	6	5	1	250	7	10	SOT-23-6L	Active

4. LDO

Linear Voltage Regulator (250mA LDO)

Part No. Datasheet	Product Description	IOUT	ISS	VOUT	Dropout (3.3V Typ)	Accuracy	Package	Status
		mA	uA	V	mV(@100mA)	%		
SP2526	Low ESR Cap. Compatible Positive Voltage Regulators	250	2.0	1.5	140	± 2.0%	SOT-23-3L	
				1.8				
				2.5			SOT-353	
				3.0				
				3.1				
				3.3				

Linear Voltage Regulator(300mA LDO)

Part No. Datasheet	Product Description	IOUT	ISS	VOUT	Dropout (3.3V Typ)	Accuracy	Package	Status
		mA	uA	V	mV(@150mA)	%		
SP2525	Low ESR Cap. Compatible Positive Voltage Regulators (High Speed)	300	25.0	1.8	200	± 2.0%	SOT-23-3L	Active
				2.5				
				2.8			SOT-353	
				3.3				

Linear Voltage Regulator(300mA Enable LDO)

Part No. Datasheet	Product Description	I _{OUT}	I _{SS}	V _{OUT}	Dropout (3.3V Typ)	Accuracy	Package	Status
		mA	uA	V	mV(@150mA)	%		
SP2524	Low ESR Cap. Compatible Positive Voltage Regulators With EN Pin (High Speed)	300	25.0	1.8	200	± 2.0%	SOT-23-5L	Active
				2.5				
				2.8				
				3.3				

5.Regulator

Shunt Regulators								
Part No. Datasheet	Product Description	Input	Output	Operation	Reference	Accuracy	Package	Status
		Voltage	Current	Current	Voltage	Voltage		
		(Max) V	(Max) mA	(Typ) uA	(Typ) V	(%) %		
SP431	High Voltage Adjustable Precision Shunt Regulators	37	150	400	2.5	± 1.0%	TO-92	Active
SP432	Low Voltage Adjustable Precision Shunt Regulators	20	100	30	1.24	± 0.5% ± 1.0%	SOT-23 SOT-23-5L TO-92 SOT-353	Active

6. Green-mode PWM IC (Standby<0.3W)

AC-DC Green Mode PWM Controller									
Part No. Datasheet	Start-Up	Driving	UVLO	UVLO	VCC	Frequency	Green Mode	Package	Status
	Current	Current	(On)	(Off)	(Max)	(Max)	Frequency		
	(Max) uA	(Max) mA	(V) V	(V) V	(V) V	(Max) KHZ	(Typ) KHZ		
SP6850	20	300	10	16	36	Adj	20	SOT-23-6L DIP-8P	Active

7.White LED driver

White LED Driver									
Part No.	Efficiency	Operation	Feedback	SW Vout	Frequency	Backlight	Control	Package	Status
Datasheet		Voltage	Voltage	Voltage		Control	Model		
	%	V	mV	V	MHZ	Type	Type		
SP1937	85	2.5 ~ 9.0	95	36	1.2	Series	PWM	SOT-23-5L	Develop
								SOT-353	

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