



微桥提供AC-DC(PWM Controller/Switch,PSR,PFC...),适用于电源,充电器,适配器,LED照明等应用

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## Sifirst(赛威) AC-DC Series

### AC/DC PWM Controller AC/DC PWM 控制器IC

Part No.	Package	Power range	Topo logy	Max VDD	OLP /SCP	Frequ ency	Frequency Shuffling	Soft start	VDD OVP	OTP	Brow nout	Zero OCP gap	Latch shut down	Pin Floating protection	Standby power	compatible
SF1530	SOT23-6/DIP-8	<40W	√	30V	√	External	√	√	√	√	√	-	-	√	√	OB2263,SG6848,LD7535
SF1530U	SOT23-6/DIP-8	<40W	√	30V	√	External	√	√	√	√	√	-	-	√	√	-
SF1531	SOT23-6	<40W	Flyback	30V	√	External	-	<0.3W	-	√	-	√	-	√	-	LD7531
SF1531S	SOT23-6/DIP-8	<40W	Flyback	30V	√	External	-	√	√	√	-	√	-	√	-	-
SF1560/B	SOP8	60-100W	Flyback	25V	√	External	√	√	√	√	SF1560B	-	-	√	<0.3W	OB2278,OB2279,SG5842
SF1563	SOT23-6/DIP-8	-	Flyback	-	√	External	√	√	√	√	-	√	-	√	-	-
SF1565/B	SOT23-6/DIP-8	60-100W	Flyback	25V	√	External	√	√	√	√	-	-	-	√	<0.3W	OB2269,SG6841
SF1580	SOT23-6	70-100W	Flyback	30V	√	65KHz	√	√	√	√	√	√	-	√	<0.3W	-
SF1585	SOT23-6	70-100W	Flyback	30V	√	65KHz	√	√	√	√	√	√	√	√	<0.3W	-
SF1590	SOT23-6	70-100W	Flyback	30V	-	External	√	√	√	√	√	√	√	√	<0.3W	CR6850D
SF1595	SOT23-6	70-100W	Flyback	30V	-	External	√	√	√	√	√	√	√	√	<0.3W	CR6850D

### Ultra Low Standby AC/DC PWM Controller

Part No.	Package	Power range	Topo logy	Max VDD	OLP /SCP	Frequ ency	Frequency Shuffling	Soft start	VDD OVP	OTP	Brow nout	Zero OCP gap	Latch shut down	Pin Floating protection	Standy power	compatible
SF5533	SOT23-6	<40W	Flyback	30V	√	External	√	√	√	√	√	√	√	√	<100mW	OB2273F
SF5534	SOT23-6	<40W	Flyback	30V	√	External	√	√	√	√	√	√	√	√	<100mW	-
SF5543	SOT23-6	<40W	Flyback	30V	√	65KHz	√	√	√	√	√	√	√	√	<100mW	OB2273
SF5545	SOT23-6	<40W	Flyback	30V	√	65KHz	√	√	√	√	√	√	√	√	<100mW	OB2273
SF5545A	SOT23-6	<40W	Flyback	30V	√	65KHz	√	√	√	√	√	√	√	√	<100mW	OB2273A
SF5545B	SOT23-6	<40W	Flyback	30V	√	65KHz	√	√	√	√	√	√	√	√	<100mW	OB2273B
SF5547	SOT23-6	<40W	Flyback	30V	√	65KHz	√	√	√	√	√	√	√	√	<100mW	-
<b>700V</b>																
SF5580	SOP8/DIP8	50-100W	Flyback	30V	√	65KHz	√	√	√	√	√	√	√	√	<50mW	OB5269,LD7575,LD7750
SF5580B	SOP8/DIP8	50-100W	Flyback	30V	√	65KHz	√	√	√	√	√	√	√	√	<50mW	LD7577,OB5269B
SF5590	SOP8/DIP8	50-100W	Flyback	30V	√	External	√	√	√	√	√	√	√	√	<50mW	LD7575

## AC/DC PWM Power Switch



Part No.	Package	Power range	MOSFET R <sub>ds(on)</sub> (Ω)	Topo logy	Max VDD	OLP /SCP	Frequ ency	Frequency Shuffling	Soft start	VDD OVP	OTP	Zero OCP gap	Latch shut down	Pin Floating protec tion	Standy power	compatible
SF1532	SOP8	5-6W	9.5	Flyback	30V	√	External	√	√	√	√	√	√	√	<0.3W	-
SF1533	SOP8	-	-	Flyback	-	√	External	-	√	√	-	√	-	√	-	OB2354,SP5623,SP5624
SF1536	DIP8	9-15W	9.5	Flyback	30V	External	√	√	√	√	√	√	√	√	<0.3W	-
SF1537	DIP8	-	-	Flyback	-	√	External	√	√	√	√	√	-	√	-	OB2356,SP5623,SP5624

SF1538	DIP8	11-18W	4	Flyback	30V	√	External	√	√	√	√	√	√	√	√	-
SF1539	DIP-8	5-6W	9.5	Flyback	30V	-	-	-	√	√	√	-	-	√	<0.3W	OB2358,SP5628
SF1539HT	DIP8	-	-	Flyback	-	√	External	√	√	√	√	√	-	√	-	-
SF1546	DIP8	<10W	-	Flyback	-	-	External	√	√	√	√	√	-	√	-	SD4842
SF1548	DIP8	<15W	-	Flyback	-	-	External	√	√	√	√	√	-	√	-	SD4843
SF1549	DIP8	<18W	-	Flyback	-	√	External	√	√	√	√	√	-	√	-	SD4844
SF5582	SOP8	6-7W	-	Flyback	-	-	65KHz	√	√	√	√	√	-	√	<0.3W	六级能效
SF5582H	SOP8	6-7W	-	Flyback	-	-	65KHz	√	√	√	√	√	-	√	<0.3W	六级能效
SF5586	DIP8	<9W	-	Flyback	-	-	65KHz	√	√	√	√	√	-	√	<0.3W	六级能效
SF5588	DIP8	<15W	-	Flyback	-	-	65KHz	√	√	√	√	√	-	√	<0.3W	六级能效
SF5589	DIP8	<16W	-	Flyback	-	-	65KHz	√	√	√	√	√	-	√	<0.3W	六级能效
SF5535/V/L	SOP8	<6W	-	Flyback	-	-	65KHz	√	√	√	√	√	-	√	<0.1W	-
SF5536/V/L	DIP8	<15W	-	Flyback	-	-	65KHz	√	√	√	√	-	-	√	<0.1W	-
SF5538/V/L	DIP8	<20W	-	Flyback	-	-	65KHz	√	√	√	√	√	-	√	<0.1W	-

## QR Mode PWM Controller

Part No.	Package	Power range	MOSFET Rdson (Ω)	Topology	Max VDD	OLP /SCP	Frequency	Frequency Shuffling	Soft start	VDD OVP	OTP	Zero OCP gap	Latch shut down	Pin Floating protection	Standby power	compatible
SF5773	SOT23-6	<150W	-	SQR	-	√	√	√	√	√	√	√	√	√	-	OB2361
SF5776	SOT23-6	<150W	-	SQR	-	√	√	√	√	√	-	√	√	√	-	OB2361

SF5877	SOP8/DIP8	<150W	-	SQR	-	√	√	√	√	√	√	√	√	√	NCP1377
SF5887	SOP8/DIP8	<150W	-	SQR	-	√	√	√	√	√	√	√	√	√	OB2201
SF5897	SOP8/DIP8	<150W	-	SQR	-	√	√	√	√	√	√	√	√	√	OB2203
PSR Controller & Power Switch															
Part No.	Package	Power range	MOSFET Rdson (Ω)	Topo logy	Max VDD	CV accuracy	CC accuracy	CableCompensation	PFM	Softstart	VDD OVP	Pin Floating protection	Standby power	compatible	
SFL900	SOP8/DIP8	-	-	PSR PFC-	32V	-	-	-	-	√	√	-	-		
SF5920	SOT23-5	<20W	external	PSR Flyback	30V	<±5%	<±5%	√	<±5%	√	√	√	<30mW	OB2532,CL1101,CL1110	
SF5920S	SOT23-5	-	-	PSR Flyback	-	<±5%	<±5%	√	<±5%	√	√	√	<70mW	OB2532,RM3260,CR6232	
SF5922SV	SOP8	-	-	PSR Flyback	-	<±5%	<±5%	-	<±5%	√	√	√	<70mW	OB2535,SP5615,SP5616	
SF5922T	SOP8	<6W	-	PSR Flyback	-	<±5%	<±5%	-	<±5%	-	√	√	<70mW	OB2535,CR6235,RM3261S	
SF5922S	SOP8	-	-	PSR Flyback	-	<±5%	<±5%	-	<±5%	√	√	√	<70mW	OB2535,SP5615,SP5616	
SF5922	SOP8	<5W	9.5	PSR Flyback	30V	<±5%	<±5%	√	<±5%	√	√	√	<50mW	OB2535,CR6235,RM3261S	
SF5926SV	DIP8	<15W	9.5	PSR Flyback	30V	<±5%	<±5%	√	<±5%	√	√	√	<50mW	OB2536,SP5616P,SP5616GP	
SF6010/S/F	SOT23-5	<10W	externalBJT	PSR Flyback	30V	<±5%	<±5%	√	<±5%	√	√	√	<30mW	OB2520,CL1128	
SF6018	DIP-8	<10W	BJT	PSR Flyback	30V	<±5%	<±5%	√	<±5%	√	√	√	<30mW		

Transition Mode PFC Controller													TOP
Part No.	Package	Power range	Topo logy	Max VDD	Dual output control	Green Mode	Dynamic OVP	Static OVP	THD Optimization	VDD OVP	Open loop protection	Audio noise free	compatible
SFL320	SOP8/DIP8	√	Transition Mode	29V	√	√	√	√	√	√	√	√	L6562A,SN03A
SF6562	SOP8	√	Transition Mode	29V	√	√	√	√	√	√	√	√	L6562,FAN7527,OB6561
SF6563	SOP8	√	Transition Mode	29V	√	√	√	√	√	√	√	√	L6562A,OB6563
SF6566	SOP8/DIP8	√	Transition Mode	29V	√	√	√	√	√	√	√	√	FAN7528

LED Lighting Controller													
Part No.	Package	Power range	Power MOSFET Rdson (Ω)	Topology	Max VDD	CC accuracy	Dimming	Softstart	VDD OVP	LED open/short	Line OVP/ Brownout	OLP	compatible
SFL628	SOT23-5	<6W	Drive BJT	PSR Flyback	30V	<±2%	√	√	√	<±2%	√	√	OB3390
SFL629	SOP-8	<5W	BJT	PSR Flyback	30V	<±2%	√	√	√	<±2%	√	√	OB3391
SFL668	SOT23-5	<18W	Drive MOS	PSR Flyback	30V	<±5%	√	√	√	<±5%	√	√	OB2532,CL1101,CL1110
SFL669	SOP8	<5W	√	PSR Flyback	30V	<±5%	√	√	√	<±5%	√	√	OB2535E
SFL678	SOT23-6	<18W	Drive MOS	PSR Flyback	30V	<±5%	Analog/PWM/	√	√	<±5%	√	√	-
SFL688	SOT23-5	<18W	Drive MOS	Flyback	33V	<±3%	√	√	√	<±3%	√	√	SFL668
SFL300	SOP8/DIP8	>15W	Drive MOS	Flyback	33V	<±2%	Analog/	√	√	<±2%	√	√	L6562A,SN03A
SFL330	SOP8/DIP8	>15W	Drive MOS	Flyback	33V	<±2%	√	√	√	<±2%	√	√	L6562A,SN03A
SFL500	SOP8/DIP8	>15W	Drive MOS	Buck	33V	<±2%	Analog/	√	√	<±2%	√	√	-
SFL520	SOP8/DIP8	>15W	Drive MOS	Buck	33V	<±2%	Analog/Triac	√	√	<±2%	√	√	-

SFL900	SOP8/DIP8	>15W	Drive MOS	PSR+PFC	32V	<±3%	√	√	√	<±3%	√	√	-SFL330
SFL100/A/B	SOT23-5	-	-	CC/CV	36V	-	-	-	-	-	-	-	AP4313,TSM1052

