

**KEY FEATURES**

- Power Modules for PCB Mounting
- 2:1 Wide Input Range
- Regulated Output
- Low Ripple and Noise
- 2-Year Product Warranty


**ELECTRICAL SPECIFICATIONS**

Model No.	SB08-12-3.3S	SB08-12-5S	SB08-12-12S	SB08-12-15S	SB08-12-24S	SB08-12-5D	SB08-12-12D	SB08-12-15D
Max. output wattage (W)	6.6W	7.5W	8W	8W	8W	8W	8W	8W
Input voltage (V.DC.)	12V (9-18)	12V (9-18)	12V (9-18)	12V (9-18)	12V (9-18)	12V (9-18)	12V (9-18)	12V (9-18)
Output voltage (V.DC.)	3.3V/2000mA	5V/1500mA	12V/666mA	15V/533mA	24V/333mA	±5V/±800mA	±12/±333mA	±15/±267mA

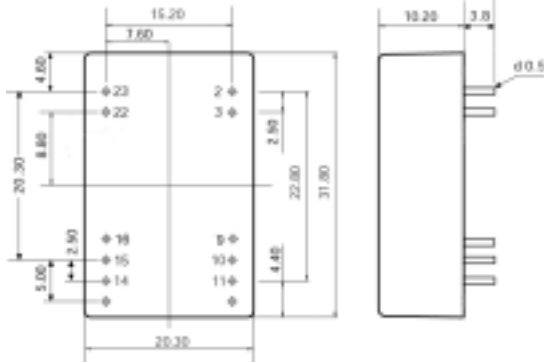
Model No.	SB08-24-3.3S	SB08-24-5S	SB08-24-12S	SB08-24-15S	SB08-24-24S	SB08-24-5D	SB08-24-12D	SB08-24-15D
Max. output wattage (W)	6.6W	7.5W	8W	8W	8W	8W	8W	8W
Input voltage (V.DC.)	24V (18-36)	24V (18-36)	24V (18-36)	24V (18-36)	24V (18-36)	24V (18-36)	24V (18-36)	24V (18-36)
Output voltage (V.DC.)	3.3V/2000mA	5V/1500mA	12V/666mA	15V/533mA	24V/333mA	±5V/±800mA	±12/±333mA	±15/±267mA

Model No.	SB08-48-3.3S	SB08-48-5S	SB08-48-12S	SB08-48-15S	SB08-48-24S	SB08-48-5D	SB08-48-12D	SB08-48-15D
Max. output wattage (W)	6.6W	7.5W	8W	8W	8W	8W	8W	8W
Input voltage (V.DC.)	48V (36-75)	48V (36-75)	48V (36-75)	48V (36-75)	48V (36-75)	48V (36-75)	48V (36-75)	48V (36-75)
Output voltage (V.DC.)	3.3V/2000mA	5V/1500mA	12V/666mA	15V/533mA	24V/333mA	±5V/±800mA	±12/±333mA	±15/±267mA

Model No.	SB08-12-3.3S	SB08-12-5S	SB08-12-12S	SB08-12-15S	SB08-12-24S	SB08-12-5D	SB08-12-12D	SB08-12-15D	
Max output wattage (W)	6.6W	7.5W	8W	8W	8W	8W	8W	8W	
Input	Input filter $\pi$ type								
Output	Voltage (V.DC.)	3.3	5	12	15	24	±5	±12	±15
	Voltage accuracy	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%
	Current (mA) max	2000	1500	666	533	333	±800	±333	±267
	Line regulation (HL-LL) (typ.)	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load regulation (10-100%) (typ.)	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
	Ripple	<0.2% Vout +20mV max (Vp-p)							
	Noise	<0.5% Vout +50mV max (Vp-p)							
	Efficiency	78%	78%	82%	82%	82%	78%	81%	81%
Switching frequency	300KHz	300KHz	300KHz	300KHz	300KHz	300KHz	300KHz	300KHz	
Protection	Over current protection	Works over 120% of rating and recovers automatically.							
	Short circuit protection	Current limit, auto-recovery							
Isolation	Voltage	1600 VDC.							
	Resistance	10 <sup>9</sup> ohms							
	Capacitance	1000 pF							
Environment	Operating temperature	-25°C...+71°C							
	Storage temperature	-55°C...+105°C							
	Case temperature	+95°C max.							
	Temperature coefficient	±0.02% Per°C							
	Humidity	95% RH							
MTBF	>800,000 h @ 25°C (MIL-HDBK-217F)								
Physical	Dimension (L x W x H)	1.25 x 0.8 x 0.4 Inches (31.8 x 20.3 x 10.2 mm) Tolerance ±0.5 mm							
	Case Material	Six-side shielded Aluminum with Non-Conductive base, Black Anodize							
	Weight	25 g							
	Cooling method	Free-air convection							

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

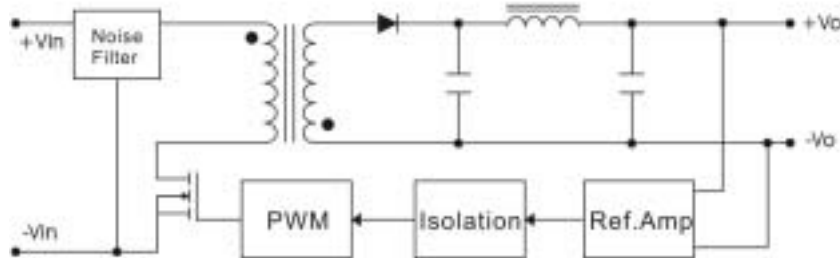
**MECHANICAL DIMENSION (Bottom View)**



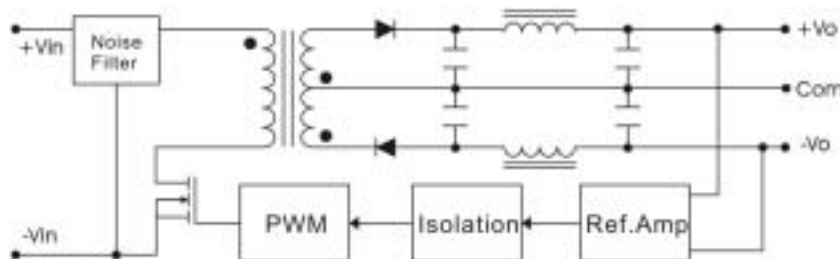
PIN#	Single	Dual
2	-VIN	-VIN
3	-VIN	-VIN
9	NC	COMMON
10	NC	NC
11	NC	-VOUT
14	+VOUT	+VOUT
15	NC	NC
16	-VOUT	COMMON
22	+VIN	+VIN
23	+VIN	+VIN

**BLOCK DIAGRAM**

**Single Output**



**Dual Output**



**DERATING**

