

### KEY FEATURES

- Power Module for PCB Mountable
- 4:1 Wide Input Range
- Regulated Output
- Low Ripple and Noise
- 2-Years Product Warranty



### ELECTRICAL SPECIFICATIONS

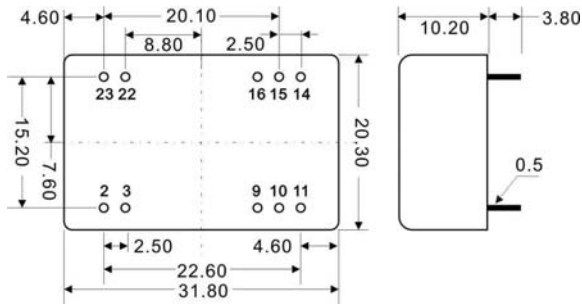
Model No.	SB03-24-3.3S	SB03-24-5S	SB03-24-12S	SB03-24-15S	SB03-24-24S	SB03-24-5D	SB03-24-12D	SB03-24-15D
Max. Output Wattage (W)	3W	3.3W	4W	4W	4W	3W	4W	4W
Input Voltage (V.DC.)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)
Output Voltage (V.DC.)	3.3V / 900mA	5V / 660mA	12V / 330mA	15V / 267mA	24V / 166mA	±5V / ±300mA	±12V / ±166mA	±15V / ±133mA
Efficiency	70%	71%	80%	77%	78%	73%	77%	75%

Model No.	SB03-48-3.3S	SB03-48-5S	SB03-48-12S	SB03-48-15S	SB03-48-24S	SB03-48-5D	SB03-48-12D	SB03-48-15D
Max. Output Wattage (W)	3W	3.3W	4W	4W	4W	3W	4W	4W
Input Voltage (V.DC.)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)
Output Voltage (V.DC.)	3.3V / 900mA	5V / 660mA	12V / 330mA	15V / 267mA	24V / 166mA	±5V / ±300mA	±12V / ±166mA	±15V / ±133mA
Efficiency	71%	73%	80%	79%	78%	75%	79%	78%

Model No.	SB03-24-3.3S SB03-48-3.3S	SB03-24-5S SB03-48-5S	SB03-24-12S SB03-48-12S	SB03-24-15S SB03-48-15S	SB03-24-24S SB03-48-24S	SB03-24-5D SB03-48-5D	SB03-24-12D SB03-48-12D	SB03-24-15D SB03-48-15D
Max Output Wattage (W)	3W	3.3W	4W	4W	4W	3W	4W	4W
Input	Input Filter Voltage (V.DC.) Voltage Accuracy Current (mA) max Line Regulation (LL-HL) (typ.) Load Regulation (10-100%) (typ.) Ripple Noise Switching Frequency							
Output	π type							
	3.3							
	5							
	12							
	15							
	24							
	±5							
Protection	±2%							
	900							
	660							
	330							
	267							
	166							
	±300							
Isolation	±1%							
	±1%							
Environment	Works over 120% of rating and recovers automatically.							
	Current limit, auto-recovery							
	Voltage							
	Resistance							
	Capacitance							
	Operating Temperature							
	Storage Temperature							
Physical	Case Temperature							
	Temperature Coefficient							
	Humidity							
	MTBF							
Physical	Dimension (L x W x H)							
	Case Material							
	Weight							
	Cooling Method							

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

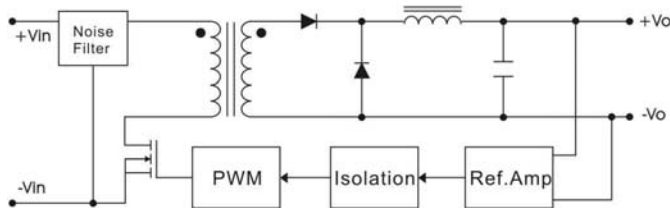
## MECHANICAL DIMENSION ( Top View )



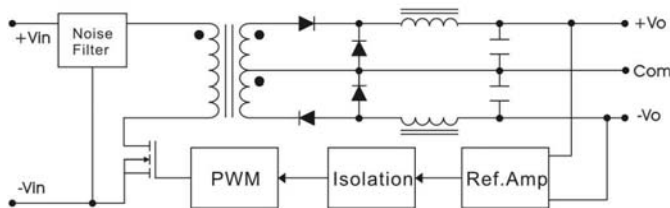
PIN#	Single	Dual
2	-VIN	-VIN
3	-VIN	-VIN
9	NC	COMMON
10	NC	NC
11	NC	-VOUT
14	+VOUT	+VOUT
15	NC	NC
16	-VOUT	COMMON
22	+VIN	+VIN
23	+VIN	+VIN

## BLOCK DIAGRAM

### Single Output



### Dual Output



## DERATING

