

KEY FEATURES

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


ELECTRICAL SPECIFICATIONS

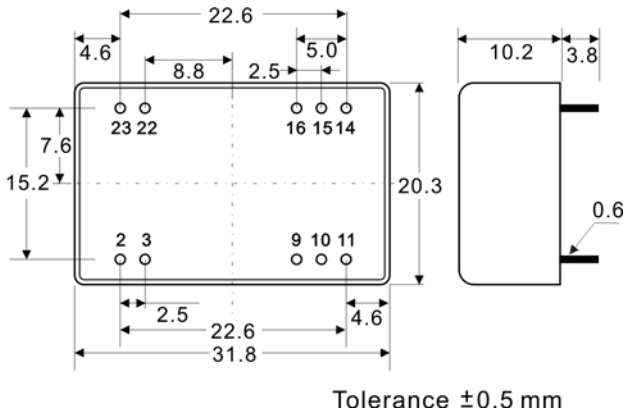
Model No.	SB03-24-3.3S	SB03-24-5S	SB03-24-12S	SB03-24-15S	SB03-24-24S	SB03-24-5D	SB03-24-12D	SB03-24-15D
Max. Output Wattage (W)	3W	3.3W	4W	4W	4W	3W	4W	4W
Input Voltage (V.DC.) (Note 3)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)
Output Voltage (V.DC.)	3.3V / 900mA	5V / 660mA	12V / 330mA	15V / 267mA	24V / 166mA	±5V / ±300mA	±12V / ±166mA	±15V / ±133mA
Efficiency (at 12V.DC)	69%	72%	78%	76%	76%	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.) (Note 3)	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 (at 24V.DC)	68%	71%	77%	76%	76%	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 π type							
Output	Voltage (V.DC.)							
	Voltage Accuracy							
	Current (mA) max							
	Line Regulation (LL-HL) (typ.)							
	Load Regulation (10-100%) (typ.)							
	Ripple							
	Noise							
Protection	Switching Frequency							
	Over Power Protection							
Isolation	Short Circuit Protection							
	Voltage							
	Resistance							
Environment	Capacitance							
	Operating Temperature							
	Storage Temperature							
	Case Temperature							
	Temperature Coefficient							
	Humidity							
Physical	MTBF							
	Dimension (L x W x H)							
	Case Material							
	Weight							
Cooling Method								

1. All specifications valid at normal input voltage, full load and +25°C after warm-up time unless otherwise stated.
2. Ripple & Noise are measured at 20MHz of bandwidth with 0.1 μ F & 47 μ F parallel capacitor.
3. If Input Voltage <10 VDC needs 1% Minimum Load.

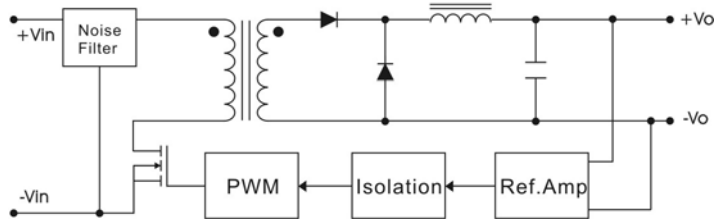
MECHANICAL DIMENSION (Top View)



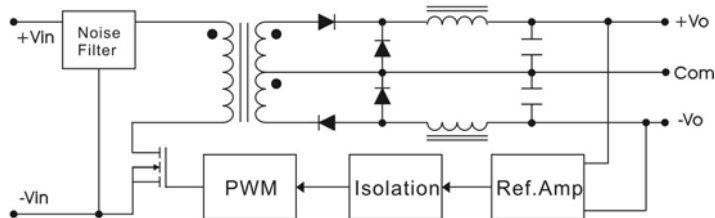
PIN#	Single	Dual
2	-VIN	-VIN
3	-VIN	-VIN
9	NC	COMMON
10	NC	NC
11	NC	-VOUT
14	+VOUT	+VOUT
15	NC	NC
16	-VOUT	COMMON
22	+VIN	+VIN
23	+VIN	+VIN

BLOCK DIAGRAM

Single Output



Dual Output



DERATING

