

## SWITCHING MODE POWER SUPPLY 12V 3A

### FEATURES

- Latest state-of-the-art current mode PWM controller and MOSFET based design.
- Soft start circuit to limit the AC inrush current.
- Reliable even at high ambient temperature.
- 100% Full load burn-in test
- LED indication for DC OK.



### SPECIFICATIONS

Input Characteristics	Input voltage	150-300VAC
	Frequency	45-60Hz
	Inrush current	<38A
	AC current consumption	0.3A @230VAC
	Input protection	2A glass fuse (fast blow)
	Transient surge protection	Yes (varistor)
	Filter	EMI/RFI
	Buffer time	>20msec at full load
	Power factor	0.85 at 230VAC
Output Characteristics	Nominal voltage	12VDC
	Voltage adj. range	12-15VDC
	Nominal current	3A
	Maximum output power	45W
	Line regulation	< +/- 0.5%
	Load regulation	< +/- 0.5%
	Ripple and noise	< +/- 1% P-P
	Indication	DC OK- Green LED
	Connection in parallel	Yes, with diode ORing
	Over load protection	Yes
Short circuit protection	Yes (short-term)	

## SPECIFICATIONS

Environmental Characteristics	Ambient temperature (operation)	0°C - 60°C
	Ambient temperature (storage)	0°C - 75°C
	Relative humidity	95% at 25 °C, no condensation
	Cooling	Natural air convection
General Characteristics	Insulation voltage I/P-O/P	1.5KVAC
	Insulation voltage I/P-PE	2.0KVAC
	Insulation voltage O/P-PE	500VAC
	Installation position	Panel mounting
	Type of connection	Screw type connection (0.2 sq.mm-2.5 sq.mm)
	Weight	0.30 Kg
	Dimension (LXWXH)	83 X 73 X 48 mm
	Power/unit volume	0.15 W/cu.cm

## NOTE

- 1) All these parameters are specified at 230VAC@50Hz input voltage and ambient temperature +27°C.
- 2) For continuous improvement, specifications are subject to change without prior intimation.