



CE
ISO9001



Working
Temperature



Leakage
Current

SMPS SE-10A-12V

TECHNICAL DETAILS

DC Voltage	12 V
Rated Current	10 A
Current Range	0 - 10 A
Rated Power	120W
Ripple & Noise (max). Note.2	100mVp-p
Voltage Adj. Range	10.8 - 13.2 V
Voltage Tolerance Note.3	± 1.0%
Line Regulation	± 0.3%
Load Regulation	± 0.3%
Setup, Rise, Hold Time	200ms, 80ms, 20ms at full load
Voltage range	85 - 132 VAC/180 - 264 VAC selected by switch 255 - 370VDC
Frequency Range	47 - 63Hz
Efficiency (Typ.)	81%
AC Current	2.8A/115VAC 1.4A/230VAC
Inrush Current (max.)	COLD START 30A/115VAC 60A/230VAC
Leakage Current	<1mA / 240VAC
Overload	105 - 150% rated output power
Working Temp.	-10 ~ +60°C (Refer to output load derating curve)
Working Humidity	20 - 90% RH non-condensing
Storage Temp., Humidity	-20 ~ +85°C, 10 - 95% RH
Temp. Coefficient	± 0.03 % /°C (0 - 500C)
Vibration	10 - 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes
Safety Standards	Design refer to UL1012
With Stand voltage	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC
EMI Conduction & Radiation	Design refer to FCC Part15 J Conduction Class B





Mtbf	322.4K hrs min. MIL-HDBK-217F (25°C)
Dimension	199*98*38 mm (L*W*H)
Packing	0.65kg; 30pcs/21.43Kg/0.0250CMB

Features

- AC input range selectable by switch
- Protections: Short circuit/Over load
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 25KHz
- Low cost
- High reliability

Notes

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" Wisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.