



CE
ISO9001



Working
Temperature



Leakage
Current

SMPS SE-2.1A-12V



TECHNICAL DETAILS

DC Voltage	12 V
Rated Current	2.1 A
Current Range	0 - 2.1 A
Rated Power	25.2W
Ripple & Noise (max). Note.2	100mVp-p
Voltage Adj. Range	10.8 - 13.2 V
Voltage Tolerance Note.3	± 1.0%
Line Regulation	± 0.5%
Load Regulation	± 0.5%
Setup, Rise, Time	300ms, 50ms/230VAC 800ms, 50ms/115VAC at full load
Hold Time (Typ.)	12ms/115VAC at full load
Voltage range	120 - 370VDC
Frequency Range	47 - 63Hz
Efficiency (Typ.)	760/0/115VAC
AC Current	0.6A/115VAC 0.35A/230VAC
Inrush Current (max.)	COLD START 13A/115VAC 25A/230VAC
Leakage Current	<0.75mA / 240VAC
Overload	105 150% rated output power
Over voltage	13.8 16.2V
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, TUV EN60950-1
With Stand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC



Isolation Resistance	I/P-O/P, UP-FG, O/P-FG:100M Ohms/500VDC
Emi Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B
Harmonic Current	Compliance to EN61000-3-2,-3
Ems Immunity	Compliance to ENV50204, EN55024, Light industry level, criteria A
Mtbf	330.8K hrs min. MIL-HDBK-217F (250C)
Dimension	99*97*36 mm (L*W*H)
Packing	0.33kg; 60pcs/21.94Kg/0.0326CMB

Features

- Universal AC input/ Full range
- Protections: Short circuit/Over load/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 56KHz

Notes

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 250C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. The ower supply is considered a com onent which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.