



5 Watt - Universal Input - European Plug PSA05E Low Cost Adapter



Features

- NEMA Plug in
- Zero Minimum Load
- Slim 1" Height
- <math><100\mu\text{A}</math> Leakage Current
- ISO 9001 Quality System
- Fits multiple Plug Strip

Applications

- Portable Instruments
- PDA
- Peripherals
- Modems

Safety Approvals

- TUV EN 60950
- CE

Mechanical Characteristics

- Dimensions:
- Length: 62mm (2.24in)
 - Width: 44mm (1.75in)
 - Height: 25mm (0.98in)
 - Weight: 90gm (4oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple(1) P-P	Regulation	
		Min.	Max.		Line	Load
PSA05E-033	3.3V	0A	1.2A	70mV	±2%	±5%
PSA05E-050	5V	0A	1.0A	100mV	±2%	±5%
PSA05E-120	12V	0A	0.42A	120mV	±2%	±5%
PSA05E-150	15V	0A	0.34A	150mV	±2%	±5%

(1) Measured at full load by using a 12 inch twisted pair terminated with a 10mfd capacitor and a 0.1mfd ceramic in parallel

INPUT:

- AC Input Voltage**
90 to 264 VAC
- AC Input Frequency**
47 to 63Hz
- AC Input Current**
0.15Arms (120VAC)
- AC Inrush Current (Cold)**
21A max. (120VAC)
42A max. (240VAC)
- Efficiency**
65% typical

OUTPUT:

- Hold-up Time**
10ms Full load, 120VAC
- Overvoltage Protection**
120% Zener Diode Clamping
- Short Circuit Protection**
Auto Restart
- ENVIRONMENTAL:**
- Operation Temperature (Convection)**
0 to 40°C
- Storage Temperature**
-40 to +70°C
- Humidity**
20 to 90% RH (Non-condensing)

EMI

- FCC Class B
- EN 55022 B
- VCCI II

Immunity

- EN 50082-1: 1997
- 61000-4-2, Level 2
- 61000-4-3, Level 2
- 61000-4-5, Level 3
- 61000-4-6, Level 2
- 61000-4-11

GENERAL:

- Leakage Current**
<0.1mA (254VAC)
- Dielectric Withstand (Hipot)**
Input to Output
3000VAC, 1 min., 10mA
- Switching Frequency**
100KHz (typical)
- MTBF (Full Load, 25°C)**
440,000 Hours
MIL-HDBK-217F
- DC Output Connector**
2.1mm (ID); 5.5mm (OD)
10mm (lgth)
Coaxial Positive Plug
Center Positive Standard

Dimension Diagram Unit: mm (inch)

