



## 5 Watt - Two Wire Universal Input PSA05A Slim Profile Adapter



### Features

- NEMA Plug in
- Zero Minimum Load
- Slim 1" Height
- 100µA Leakage
- ISO 9001 Quality System
- Fits multiple Plug Strip

### Applications

- Portable Instruments
- PDA
- Peripherals
- Modems

### Safety Approvals

- cUL 1950

### Mechanical Characteristics

- Dimensions:
- Length: 62mm (2.24in)
  - Height: 25mm (0.98in)
  - Width: 44mm (1.75in)
  - Weight: 90gm (3.2oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple(1) P-P	Regulation	
		Min.	Max.		Line	Load
PSA05A*-033	3.3V	0A	1.2A	100mV	±2%	±5%
PSA05A*-050	5V	0A	1.0A	100mV	±2%	±5%
PSA05A*-120	12V	0A	0.42A	120mV	±2%	±5%
PSA05A*-150	15V	0A	0.34A	150mV	±2%	±5%

\* For European AC plug, change to "E"

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

(2) No load to full load 1.5m (5ft) DC cord measured at the plug.

**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)

FCC Class B

EN 55022 B

**Immunity**

EN 50082-1: 1997

61000-4-2, Level 3

61000-4-3, Level 2

61000-4-4, Level 2

61000-4-5, Level 3

61000-4-6, Level 2

61000-4-11

**GENERAL:**

**Leakage Current**

>0.25mA (254VAC)

**Dielectric Withstand (Hipot)**

Input to Output

3000VAC, 1 min., 10mA

**Switching Frequency**

100KHz (typical)

**AC Input Connector**

NEMA 15P

**MTBF (Full Load, 25°C)**

440,000 Hours

MIL-HDBK-217F

**DC Output Connector**

2.1mm (ID); 5.5mm (OD); 9mm(lgth)

**Coaxial Positive Plug**

Center Positive Standard

**Dimension Diagram Unit: mm (inch)**

MODEL
PSA05W-105P
PSA05A-033
PSA05A-050
PSA05A-120
PSA05A-150

