



# 15 Watt - Low Cost Linear Eliminator PSC15A Wall Plug-In Adapters



### Features

- NEMA 2 Plug In
- Zero Minimum Load
- 250 $\mu$ A Leakage
- Short Circuit Protected

### Applications

- Portable Instruments
- Palm Computers
- Peripherals
- Modems

### Safety Approvals

- cUL 1950

### Mechanical Characteristics

- Dimensions:
- Length: 74.2mm (2.92in)
  - Width: 49.3mm (1.94in)
  - Height: 34.4mm (1.35in)
  - Weight: 200gm (7oz)

### Output Specifications

Model	DC Output Voltage	Load		Regulation Line & Load
		Min.	Max.	
PSC15A-050S	5.0V	0A	3.0A	$\pm$ 5%
PSC15A-090S	9.0V	0A	1.6A	$\pm$ 5%
PSC15A-120S	12V	0A	1.25A	$\pm$ 5%
PSC15A-150S	15V	0A	1.0A	$\pm$ 5%
PSC15A-240S	24V	0A	0.62A	$\pm$ 5%

**INPUT:**

- AC Input Voltage**  
90 to 132 VAC
- AC Input Frequency**  
57 to 63Hz
- AC Input Current**  
0.4Arms (115VAC)
- AC Inrush Current (Cold Start, 25°C)**  
35A max. (115VAC)
- Efficiency**  
70% typical

**OUTPUT:**

- Ripple (1)**  
200mV P-P maximum
- Hold-up Time**  
16ms Full load, 120VAC
- Overvoltage Protection**  
115% Nominal
- Short Circuit Protection**  
110% Nom., Auto Restart

**ENVIRONMENTAL:**

- Operation Temperature (Convection)**  
0 to 40°C

**Storage Temperature**

-25 to +75°C

**Humidity**

5 to 80% RH (Non-condensing)

**Emissions**

FCC Class B

**Immunity**

IEC 1000-4-2, Level 3

IEC 1000-4-5, Level 3

**GENERAL:**

**Leakage Current**

0.25mA maximum (132VAC)

**Dielectric Withstand (Hipot)**

Input to Output  
2000VAC, 1 min., 10mA

**MTBF (Full Load, 25°C)**

100K Hrs.  
MIL-HDBK-217F

**AC Input Connector**

NEMA 15P

**DC Output Connector**

2.1mm x 5.5mm x 9.5mm Coaxial  
Plug; Center Positive Standard

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

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

