

# 10 Watt Interchangeable Plug Series

## PSA-10R Adaptor with Loadsense™



### Features

- Double Insulated
- Class B EMI
- Loadsense™ at DC Plug
- Field Changeable AC Plugs
- Power On LED
- 2% NL-FL Regulation

### Applications

- Wireless Communications
- Portable Equipment
- Peripherals
- Networking

### Safety Approvals

- UL 1950, Class 2
- CSA 22.2 M950
- TUV EN60950 (In Process)

### Mechanical Characteristics

- Dimensions:
- Length: 86mm (3.4in)
  - Width: 53mm (2.1in)
  - Height: 36mm (1.4in)
  - Weight: 120gm (4oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple(1) P-P (max)	Regulation	
		Min.	Max.		Line	Load
PSA-10R-033	3.3V	0A	2.0A	50mV	±1%	±2%
PSA-10R-050	5.0V	0A	2.0A	50mV	±1%	±2%
PSA-10R-090	9.0V	0A	1.1A	90mV	±1%	±2%
PSA-10R-120	12V	0A	0.8A	120mV	±1%	±2%
PSA-10R-150	15V	0A	0.67A	150mV	±1%	±2%
PSA-10R-180	18V	0A	0.56A	180mV	±1%	±2%
PSA-10R-240	24V	0A	0.42A	240mV	±1%	±2%

(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, 1.8 meter (6ft) DC cord, measured at the plug.

ELECTRONICS

ISO 9001 • BABT • MITI  
Facility Approvals

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## Characteristics

### INPUT:

**AC Input Voltage**  
90 to 264 VAC

**AC Input Frequency**  
47 to 63Hz

**AC Input Current**  
0.5Arms (120VAC)  
0.25Arms (240VAC)

**AC Inrush Current (Cold)**  
30A max. (120VAC)  
60A max. (240VAC)

**AC Surge Immunity:**  
IEC 61000-4-5, Level 3

**Efficiency**  
65% minimum

### OUTPUT:

**Hold-up Time**  
16ms Full load, 115VAC

**Overvoltage Protection**  
>120%

**Overcurrent Protection**  
>120%, Auto Restart

### ENVIRONMENTAL:

**Operation Temperature (Convection)**  
0 to 35°C

**Storage Temperature (Convection)**  
-25 to +85°C

**Humidity**  
10 to 90% RH (Non-condensing)

### Emissions

FCC Class B  
EN 55022 B

### Immunity

EN 50082-1:  
61000-4-2, Level 3  
61000-4-3, Level 2  
61000-4-4, Level 2

### GENERAL:

**Leakage Current**  
<0.25mA (240VAC)

**Dielectric Withstand (Hipot)**  
Input>Output  
3000VAC, 1 min., 10mA

**Switching Frequency**  
100KHz (typical)

**MTBF (Full Load, 25°C)**  
150K Hrs.  
MIL-HDBK-217F

**Power On Indicator**  
Green LED

**AC Input Plugs**  
(Order Separately)

USA: RPA  
Europe: RPE  
UK: RPK  
Australia: RPS

**DC Output Cord/Connector**  
1.8meter  
2.1mm x 5.5mm Coaxial Plug;  
Center Positive Standard



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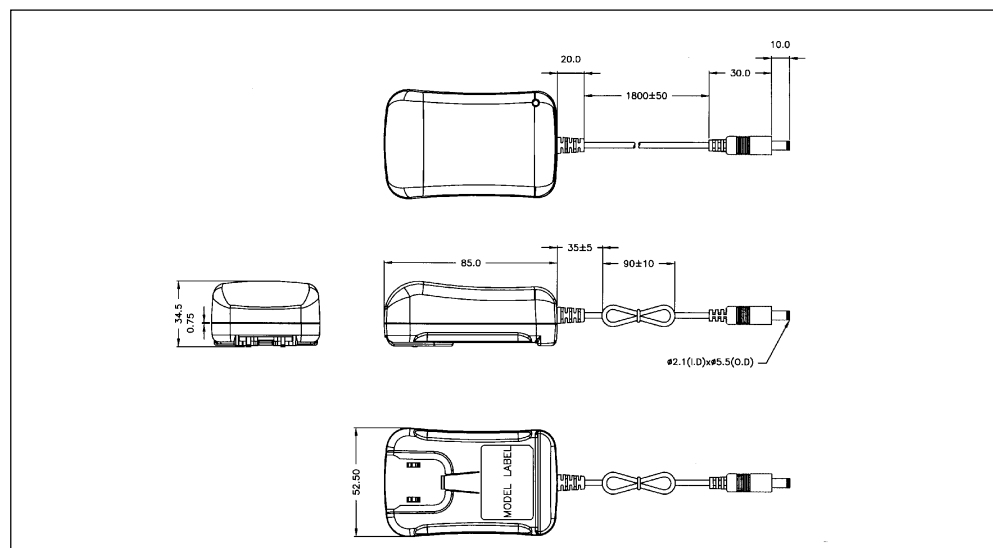
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## Dimension Diagram Unit: mm (inch)



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