

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.

NEWLINE

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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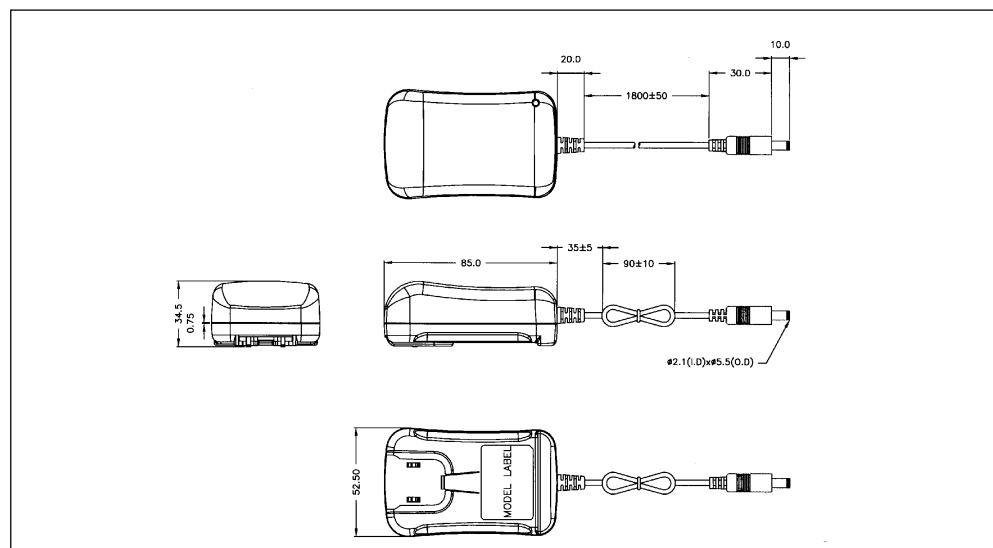
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Dimension Diagram Unit: mm (inch)



Mouser Electronics

Authorized Distributor

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