

5 Watt Interchangeable Plug Series

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PSA-05R Adaptor



Features

- Double Insulated
- Class B EMI
- Field Changeable AC Plugs
- Small Package Size

Applications

- PDA's
- Digital Cameras
- MPEG Players
- Personal Electronics

Safety Approvals Pending

- UL 60950 (In Process)
- TUV EN60950 (In Process)
- CSA C22.2 NA950-95 (In Process)
- CE

Mechanical Characteristics

- Dimensions:
- Length: 71.7mm (2.82in)
 - Height: 28.9mm (1.14in)
 - Width: 45mm (1.77in)
 - Weight: 120gm (4oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ⁽¹⁾ P-P (max)	Regulation	
		Min.	Max.		Line	Load ⁽²⁾
PSA-05R-033	3.3V	0A	1.2A	50mV	±1%	±5%
PSA-05R-050	5.0V	0A	1.0A	50mV	±1%	±5%
PSA-05R-090	9.0V	0A	0.56A	90mV	±1%	±5%
PSA-05R-120	12V	0A	0.42A	120mV	±1%	±5%
PSA-05R-150	15V	0A	0.33A	150mV	±1%	±5%
PSA-05R-180	18V	0A	0.28A	180mV	±1%	±5%
PSA-05R-240	24V	0A	0.21A	240mV	±1%	±5%

(1) Measured at full load by using a 12 inch twisted pair terminated with a 10µF capacitor and a 0.1µF ceramic in pallel.
(2) No load to Full Load, 1.8 meter (5.9ft) DC cord, measured at the plug.

**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
0.25Arms (120VAC)
0.125Arms (240VAC)

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

Efficiency
60% minimum

OUTPUT:

Hold-up Time
10ms Full load, 115VAC

Overvoltage Protection
Open Control Loop Protection

Overcurrent Protection
>120%, Auto Restart

ENVIRONMENTAL:

Operation Temperature (Convection)
0 to 40°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: 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 3
61000-4-11

GENERAL:

Leakage Current

<0.25mA (250VAC)

Dielectric Withstand (Hipot)

Input ÷ Output
3000VAC, 1 min., 10mA

Switching Frequency

132KHz (typical)

MTBF (Full Load, 120VAC, 25°C)

150K Hrs.
MIL-HDBK-217F

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

Dimension Diagram Unit: mm (inch)

