

# 5 Watt Interchangeable Plug Series

## 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 <sup>(1)</sup> P-P (max)	Regulation	
		Min.	Max.		Line	Load <sup>(2)</sup>
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 parallel.

(2) No load to Full Load, 1.8 meter (5.9ft) DC cord, measured at the plug.

ISO 9001 • BABT • MITI  
Facility Approvals

# 5 Watt Interchangeable Plug Series PSA-05R Adaptor

## 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



## ENTERPRISE CO., LTD.

16, Lane 530, Chung Cheng N. Rd.  
Sanchung City, Taipei  
Taiwan 24103, R.O.C.

Phone: 886-2-2988-2126

886-2-2980-5255

Fax: 886-2-2981-7086

886-2-2983-3222

## PHIHONG USA CORPORATION

### U.S. Headquarters:

48607 Warm Springs Blvd.

Fremont, CA 94539

Phone: 510-445-0100

Fax: 510-445-1678

Email: [usasales@phihongusa.com](mailto:usasales@phihongusa.com)

Internet: <http://www.phihongusa.com>

### Phihong East:

3312 7th Street, Suite 101

Whitehall, PA 18052

Phone: (610) 434-4856

Fax: (610) 434-4857

### Phihong Southwest:

3325 Cochran St., Suite 200

Simi Valley, CA 93063

Phone: (805) 520-8177

Fax: (805) 520-3907

## Dimension Diagram Unit: mm (inch)

