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# **5W Interchangeable Plug Series PSA05R Adapter Meets CEC and EISA Requirements**



#### **Features**

- **Double Insulated**
- Field Changeable AC Plugs
- Efficiency Level IV Compliance

## **Applications**

- MP3 Players
- PDAs
- Personal Electronics
- Digital Cameras

### **Safety Approvals**

- cUL/UL
- TUV
- SAA

- CE
- C-Tick

# **Mechanical Characteristics**

- Length: 71.7mm (2.82in)
- Width: 45mm (1.77in)

# **Output Specifications**

•	Height: 31mm(1.22in)
•	Weight: 120g (4oz)

Low Leakage Current

Low Cost

Class B EMI

Model (1)	DC Output	Load		Ripple (2)	Regu	lation	Efficiency
Model	Voltage	Min.	Max.	P-P (max.)	Line	Load	Level
PSA05R-033-R	3.3V	0A	1.2A	50mV	±1%	±5%	<b>1</b> 15V AC
PSA05R-050-R	5V	0A	1.0A	50mV	±1%	±5%	
PSA05R-090-R	9V	0A	0.56A	90mV	±1%	±5%	V
PSA05R-120-R	12V	0A	0.42A	120mV	±1%	±5%	<b>W</b>

Note: (1) PSA05R-033 and PSA05R-050 are available in special order quantities only, contact Phihong for more information.

(2) Measured after 10 minutes with by-pass capacitors 0.1uF // 10uF at output connector terminal.

Interchangeable clips sold separately.

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

### **PSA05R Characteristics**

### **WWW.PHIHONG.COM**

#### Input:

# **AC Input Voltage Rating**

100 to 240V AC

# **AC Input Voltage Range**

90 to 264V AC

#### **AC Input Frequency**

47 to 63Hz

#### **Input Current**

0.25A (RMS) maximum at 120V AC 0.125A (RMS) maximum at 240V AC

#### Leakage Current

< 0.25mA maximum at 254V AC

#### **Inrush Current**

30A for 120V AC at maximum load 60A for 240V AC at maximum load (Cold start at ambient 25°C)

### **Input Power Saving**

0.3W maximum for 9V model 0.5W maximum for 3.3V, 5V and 12V models

### **Output:**

#### **Efficiency**

≥72.3% average efficiency for 9V model ≥64.5% average efficiency for 5V and 12V models ≥62.4% average efficiency at 115V AC, ≥61.4% average efficiency at 230V AC for 3.3V model

#### **Environmental:**

# **Temperature**

Operation 0 to +40°C Non-operation -25 to +85°C Humidity 10 to 90%

#### EMI

FCC Class B EN55022 Class B

### **Immunity**

EN61000-4-2 Level 3 EN61000-4-3 Level 2 EN61000-4-4 Level 2 EN61000-4-5 Level 3 EN61000-4-6 Level 3 EN61000-4-11

EN61000-3-2 Harmonic Flicker EN61000-3-3

### **Hold-up Time**

10mS minimum at 120V AC and maximum load

### **Over-Voltage Protection**

< 120%, Zener Clamp

#### **Short-Circuit Protection**

>120% auto restart

#### **MTBF**

150K hours minimum at full load and 110V AC, 60Hz (measured at ambient 25°C)

#### Dielectric Withstand (Hi-pot) Test

Input to Output: 3000V AC for 1 min., 10mA

#### **DC Output Connector**

2.1 x 5.5 x 9.5mm Center Positive Barrel Standard

#### AC Input Clips (Sold Separately)

US: RPA Korea: RPH Europe: RPE Brazil: RPB UK: RPK India: RPI Australia: RPS Argentina: RPN

