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# 10W Interchangeable Plug Series PSM11R Adapter Series Meets CEC and EISA Requirements















#### **Features**

- Double Insulated
- Field Changeable AC Plugs
- ECOC Compliance
- 5% NL-FL Regulation
- Class B EMI

- Low Leakage Current
- Low Cost
- Energy Star EPS2.0 Compliance (9V and 12V)
- EISA Energy Efficiency Compliance

### **Applications**

- Wireless Communications
- Networking

- Portable Equipment
- Peripherals

# **Safety Approvals**

- cUL/UL
- TUVSAA

- CE
- C-Tick

# **Mechanical Characteristics**

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

• Height: 29.79mm (1.17in)

• Weight: 128g (4.52oz)

# **Output Specifications**

	DC Output	Load		Ripple (1)	Regulation		Efficiency
Model	Voltage	Min.	Max.	P-P (max)	Line	Load	Level
PSM11R-050	5V	0A	2.0A	100mV	±5%		TV
PSM11R-090	9V	0A	1.1A	100mV	±5%		V
PSM11R-120	12V	0A	0.83A	120mV	±5%		V

Note: (1) Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20 mHz. (Tested by oscilloscope after waiting 1 minute)

Interchangeable clips sold separately.

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# **PSM11R Characteristics**

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# **INPUT:**

# **AC Input Voltage Rating**

100 to 240VAC

# **AC Input Voltage Range**

90 to 264VAC

# **AC Input Frequency**

47 to 63 Hz

#### **AC Input Current**

0.3A(RMS) max. @ 120VAC 0.15A(RMS) max. @ 240VAC

# **Leakage Current**

20uA max. @ 254VAC

### **Inrush Current (Cold)**

40-60A for 120VAC at max. load (varies in voltage) (Cold start @ ambient 25°C)

# **Input Power Saving**

0.3W maximum at no load

#### **OUTPUT:**

#### **Efficiency**

>70.7% average efficiency for 5V model >76.6% average efficiency for 9V and 12V models

### **Hold-up Time**

10mS min. @ 120VAC and max. load

#### **Short Circuit Protection**

>120%, auto restart

### **Over Voltage Protection**

>120%, Zener Clamp

# **Dimension Diagram Unit: mm (inch)**

### **ENVIRONMENTAL:**

# **Temperature**

Operation 0 to +50°C Non-operation -20 to +75°C

# Humidity

Operation 0 to 90%

#### **Emissions**

FCC Class B EN55022 Class B

### Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000VAC

#### **DC Output Connector**

2.1x5.5mm Center Positive Standard

### **Mating Connector**

Kycon KLD-0202-A or equivalent

# **AC Input Clips (sold separately)**

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

