



# 10 Watt Interchangeable Plug Series

## PSM11R Series



### Features

- Double Insulated
- Class B EMI
- Low Cost
- ECOC Compliance
- Field Changeable AC Plugs
- Low Leakage Current
- Input Power Saving
- < 0.3W no load power consumption

### Safety Approvals

- UL/cUL
- PSE (2)
- CE
- TUV
- SAA

### Applications

- Wireless Communications
- Portable Equipment
- Peripherals
- Networking

### Mechanical Characteristics

- Dimensions:
- Length: 71.7mm (2.82in)
  - Width: 45mm (1.77in)
  - Height: 29.79mm (1.17in)
  - Weight: 128g (4.52oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple(1)	Regulation	
		Min.	Max.		P-P	Line
PSM11R-050	5V	0A	2A	100mV	±5%	
PSM11R-090	9V	0A	1.12A	100mV	±5%	
PSM11R-120	12V	0A	0.84A	120mV	±5%	

(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)

(2) To receive PSE logo, please consult the factory. Minimum order quantity is required.

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**INPUT:****AC Input Voltage**

90 to 264 VAC

**AC Input Frequency**

47 to 63Hz

**AC Input Current**0.3A(RMS) 120VAC at Max. load  
0.15A(RMS) 240VAC at Max. load**AC Inrush Current**40A Max. for 240VAC at 25 C  
ambient cold start**Input Power Saving**

0.3W Max. @ 0A 240VAC

**OUTPUT:****Efficiency**65%~70% Min. at Max. load  
120VAC**Hold-up Time**

10ms Full load, 120VAC

**Turn on delay time**

200mS Max. @ full load 120VAC

**Overvoltage Protection**

~120% Zener clamp

**Overcurrent Protection**

Short Circuit, Auto Restart

**ENVIRONMENTAL:****Temperature**Operation: 0 to 50°C  
Storage: -20 to +75°C**Humidity**Operation: 0 to 90%  
Storage: 0 to 90%**EMI**FCC Class B  
EN 55022 Class B  
VCCI Class II  
BSMI  
C-Tick**Immunity**EN 50082-1:  
IEC1000-4-2, Level 4  
IEC1000-4-3, Level 2  
IEC1000-4-4, Level 2  
IEC1000-4-5, Level 3  
EN61000-4-6, Level 2  
EN61000-4-8, Level 1  
EN61000-4-11**Harmonic**EN61000-3-2 1995+  
A1: 1998 + A2:1998+  
A14: 2000 Class A**Flicker**

EN61000-3-3 1995

**GENERAL:****Leakage Current**

20uA Max. at 250VAC 50Hz

**Dielectric Withstand (Hipot)**

3000VAC, 1 min., 10mA

**MTBF**

&gt;100K hrs. (Full Load, 25°C)

**AC Input Plugs**(Sold Separately)  
USA: RPA  
Europe: RPE  
UK: RPK  
Australia: RPS**DC Output Connector**2.1mm x 5.5mm x 10+/-0.5mm  
Coaxial Plug;  
Center Positive Standard

