



## 8W Interchangeable Plug Series with Micro-USB Connector PSM08R Adapter Meets EISA and CEC Requirements



### Features

- Double Insulated
- Field Changeable AC Plugs
- Efficiency Level IV Compliance
- 5% NL-FL Regulation
- Low Leakage Current
- Micro-USB Connector
- Class B EMI
- CCCV

### Applications

- Wireless Communications
- Networking
- Portable Equipment
- Peripherals

### Safety Approvals

- cUL/UL
- SAA
- CCC
- C-Tick
- PSE

### Mechanical Characteristics

- 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 <sup>(1)</sup> P-P (max.)	Regulation Line & Load	Efficiency Level <sup>(2)</sup>
		Min.	Max.			
PSM08R-050(M)	5V	0A	1.6A	100mV	±5%	IV

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

(2) Level IV efficient products do not qualify for CE marking and therefore cannot be sold to countries in the EU

- Interchangeable clips sold separately.

**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**

0.3A (RMS) maximum at 120V AC

0.15 (RMS) maximum at 240V AC

**Leakage Current**

25mA maximum at 264V AC

**Inrush Current**

40 to 60A for 120V AC at maximum load (varies in voltage), (cold start at ambient 25°C)

**Input Power Saving**

0.3W maximum at 240V AC

**Output:**

**Efficiency**

69% minimum using ENERGY STAR method

**Hold-up Time**

10mS minimum at 120V AC and maximum load

**Over-Voltage Protection**

120%, Zener Clamping

**Short-Circuit Protection**

120%, auto restart.

**Environmental:**

**Temperature**

Operation 0 to +50°C

Non-operation -20 to +75°C

Humidity 0 to 90%

**Emissions**

FCC Class B

EN55022 Class B

**Immunity**

EN50082-1: (EN55024)

EN61000-4-2 Level 4

EN61000-4-3 Level 2

EN61000-4-4 Level 2

EN61000-4-5 Level 3

EN61000-4-6 Level 2

EN61000-4-8 Level 1

EN61000-4-11

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

Primary to Secondary: 3000V AC for 1 min., 10mA

**DC Output Connector**

Micro USB

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

