



## 12 Watt Interchangeable Plug Series



### Features

- Double Insulated
- Class B EMI
- Level VI Efficiency Compliant
- Limited Power Source (LPS)

### Applications

- Wireless Communications
- Network Equipment
- Peripherals
- Gaming

### Safety Approvals

- cUL/UL
- RCM
- CB
- CE

### Mechanical Characteristics

- Length: 71.6mm (2.82in)
- Width: 50mm (1.97in)
- Height: 33.25mm (1.22in)
- Weight: 112g (3.95oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>(1)</sup> P-P (max.)
		Min.	Max.	
PSAC12R-050	5V	0A	2.4A	100mV
PSAC12R-060	5.9V	0A	2.0A	100mV
PSAC12R-075	7.5V	0A	1.6A	100mV
PSAC12R-090	9V	0A	1.33A	120mV
PSAC12R-120	12V	0A	1.0A	120mV
PSAC12R-150	15V	0A	0.8A	150mV
PSAC12R-240	24V	0A	0.5A	240mV
PSAC12R-480	48V	0A	0.25A	480mV

Note (1): Ripple measured by using a 12-inch twisted pair terminated with 10uF capacitor and 0.1uF ceramic in parallel with oscilloscope set to 20Mhz measured after a warm-up of 10minutes.

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**INPUT****Input Voltage Rating**

100 to 240VAC

**AC Input Voltage Range**

90 to 264VAC

**AC Input Current**

0.5A (RMS), 120VAC at maximum load  
 0.25A (RMS), 230VAC at maximum load

**AC Input Frequency**

47 to 63Hz

**In-rush Current**

<30A for 120VAC at maximum load  
 <60A for 230VAC at maximum load  
 (cold start at ambient 25°C)

**Leakage Current**

0.25mA maximum

**OUTPUT**

Output Power  
 12W

**Efficiency**

US DoE Level VI  
 EU CoC Ver5 Tier1

**No Load Power Consumption**

≤75mW max @ 115V

**Hold up time**

10 mS minimum at maximum load, 120VAC

**ENVIRONMENTAL****Temperature**

Operation 0°C to +40°C  
 Non-operation -40°C to +85°C  
 Humidity 50 to 90%

**EMI**

FCC class B, EN55022 Class B

**Immunity**

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

**Isolation (HI-POT test)**

Input to Output: 3000VAC for 1 minute, 10mA

**Insulation Resistance**

Input to Output: 500VDC 500M Ohm minimum

**Over Current Protection**

3A max. Short Circuit Auto-restart

**Short Circuit Protection**

Output can be shorted without damage

**Over Voltage Protection**

&lt;7.5V

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

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

**DC Cord**

1500mm (18~24AWG)

**DC Output Connector (Tuning Fork Type)**

5.5mm x 2.1mm x 10mm Center Positive

**Interchangeable AC Clips**

(Sold Separately)

RPA – US  
 RPB – Brazil  
 RPC – China  
 RPE – Europe  
 RPH – Korea  
 RPI – India  
 RPK – UK  
 RPN – Argentina  
 RPS – Australia  
 RPX – IEC320 C8

