



## 15 Watt Interchangeable Plug Series PSA15R Series meets Level V Efficiency Requirements



### Features

- Double Insulated
- Class B EMI
- Limited Power Source
- Level V Efficiency Compliant
- EISA Compliant

### Applications

- Wireless Communications
- Network Equipment
- Peripherals
- Gaming

### Safety Approvals

- CE
- C-Tick
- TUV
- cUL/UL
- SAA

### Mechanical Characteristics

- Length: 71.6mm (2.82in)
- Width: 50mm (1.97in)
- Height: 31mm (1.22in)
- Weight: 151g (5.32oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>(2)</sup> P-P (max.)	Efficiency Level
		Min.	Max.		
PSA15R-050PV	5V	0A	3.000A	100mV	V
PSA15R-060PV <sup>(1)</sup>	6V	0A	2.500A	100mV	V
PSA15R-075PV <sup>(1)</sup>	7.5V	0A	2.000A	100mV	V
PSA15R-090PV	9V	0A	1.667A	100mV	V
PSA15R-120PV	12V	0A	1.250A	120mV	V
PSA15R-150PV	15V	0A	1.000A	150mV	V
PSA15R-240PV	24V	0A	0.625A	240mV	V
PSA15R-480PV	48V	0A	0.313A	480mV	V

Note (1): Special order item, minimum order quantity required. Contact Phihong Sales for more information.

Note (2): 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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**AC 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), 240VAC at maximum load

**AC Input Frequency**  
47 to 63Hz

**In-rush Current**  
30A for 120VAC at maximum load  
60A for 240VAC at maximum load  
(cold start at ambient 25°C)

**Leakage Current**  
0.25mA maximum

**DC Output**  
Output Power  
15W

**Efficiency**  
Meets Level V Requirements  
>76% minimum 5V  
>79% minimum 6V – 48V

**No Load Power Consumption**  
<0.3W

**Hold up time**  
8mS minimum at maximum load, 120VAC

**Environmental**  
Operating Temperature           0°C to +40°C  
Storage Temperature           -20°C to +75°C  
Humidity                           20 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 2  
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**

Short Circuit Auto-restart

**Short Circuit Protection**

Output can be shorted without damage

**Over Voltage Protection**

By Zener clamping

**MTBF**

Minimum 50K hours

**DC Cord**

1500mm (18~24AWG)

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

5.5mm x 2.1mm x 10mm Center Positive

**Interchangeable AC Clips**

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

(Sold Separately)

**Dimension Diagram Unit:mm**

