



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 ⁽²⁾ P-P (max.) | Efficiency Level |
|-----------------------------|-------------------|------|--------|-------------------------------------|---------------------|
| | | Min. | Max. | | |
| PSA15R-050PV | 5V | 0A | 3.000A | 100mV | V |
| PSA15R-060PV ⁽¹⁾ | 6V | 0A | 2.500A | 100mV | V |
| PSA15R-075PV ⁽¹⁾ | 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

