15 Watt Interchangeable Plug Series
PSA15R Wall Plug Adapter Meets Level VI Requirements

*clips sold separately

Features
- Limited Power Source
- Class II Double Insulated
- Class B EMI
- High Efficiency

Applications
- Wireless Communications
- Portable Equipment
- Peripherals
- PDA

Safety Approvals
- cUL/UL 60950-1
- CB
- CE

Mechanical Characteristics
- Length: 71.7mm (2.82in)
- Height: 33.2mm (1.31in)
- Width: 50mm (1.91in)
- Weight: 145g (5.12oz)

Output Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DC Output Voltage</th>
<th>Load</th>
<th>Ripple (1) P-P (max.)</th>
<th>Regulation Line &amp; Load</th>
<th>Efficiency Level</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSA15R-120P6</td>
<td>12V</td>
<td>0A</td>
<td>1.25A</td>
<td>100mV</td>
<td>±5% VI</td>
</tr>
<tr>
<td>PSA15R-150P6</td>
<td>15V</td>
<td>0A</td>
<td>1.0A</td>
<td>100mV</td>
<td>±5% VI</td>
</tr>
<tr>
<td>PSA15R-240P6</td>
<td>24V</td>
<td>0A</td>
<td>0.625A</td>
<td>200mV</td>
<td>±5% VI</td>
</tr>
<tr>
<td>PSA15R-480P6</td>
<td>48V</td>
<td>0A</td>
<td>0.31A</td>
<td>400mV</td>
<td>±5% VI</td>
</tr>
</tbody>
</table>

(1) Measured after 30 minutes with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20MHz.

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Revision 1/12/2016
### PSA15R Characteristics

#### 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**
  - 0.5A (RMS) maximum at 120V AC
  - 0.25A (RMS) maximum at 230V AC
- **Leakage Current**: 0.25mA maximum at all line conditions
- **Inrush Current**
  - <30A for 120V AC at maximum load
  - <60A for 240V AC at maximum load (cold start at ambient 25°C)

#### Output:

- **Efficiency**: DOE Level VI
- **Hold-up Time**: 8mS minimum at 120V AC and maximum load

#### Environmental:

- **Temperature**
  - Operation: 0 to +40°C
  - Non-operation: -40 to +85°C
  - Humidity: 90%RH max

#### Emissions

- EN55022 Class B
- FCC Part 15 Class B

#### EMC

- EN 61000-3-2
- IEC61000-4-2
- IEC61000-4-4
- IEC61000-4-5
- IEC61000-4-11
- EN55024

#### Over-Voltage Protection

Output should be <20Vdc for 12V; <22Vdc for 15V; <35Vdc for 24V; <65Vdc for 48V

#### Over-Current Protection

Output equipped with short circuit protection – auto restart above 1.35A for 12V; >1.2A for 15V; >0.7A for 24V; >0.4A for 48V

#### Short-Circuit Protection

Output can be shorted without damage

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

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

#### DC Output Connector

2.1 x 5.5mm Center Positive Barrel

#### AC Input Clips (sold separately)

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

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**Dimension Diagram Unit: mm (inch)**
Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phihong:
PSA15R-050PV-R PSA15R-060PV-R PSA15R-075PV-R PSA15R-090PV-R PSA15R-120PV-R PSA15R-150PV-R
PSA15R-240PV-R PSA15R-480PV-R PSA15R-050PV-C4-R PSA15R-090PV-R-C3 PSA15R-150P6 PSA15R-
480P6 PSA15R-240P6 PSA15R-120P6 PSC15R-075 PSC15R-060 PSC15R-050 PSC15R-090 PSA15R-050PV-
C2-R PSA15R-120P PSA15R-150P PSA15R-240P PSA15R-480P PSA15R-480P6-R PSA15R-240P6-R PSA15R-
120P6-R PSA15R-150P6-R