15 Watt Universal 2-Wire Input Desktop Adapter
PSAA15W Single Output Series Meets CEC and EISA Requirements

Features
- 0A Minimum Load
- Efficiency Level IV Compliance
- Class B EMI
- <0.25mA Leakage Current
- Compact Size

Applications
- Portable Equipment
- Peripherals and Terminals
- Low-Power Computers
- Networking

Safety Approvals
- cUL/UL
- Meeting Cal. Prop. 65

Mechanical Characteristics
- Length: 81.2mm (3.20in)
- Width: 50mm (1.97in)
- Height: 29.8mm (1.17in)
- Weight: 140g (4.94oz)

Output Specifications

<table>
<thead>
<tr>
<th>Model(2)</th>
<th>DC Output Voltage</th>
<th>Load</th>
<th>Ripple (1)</th>
<th>Regulation</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td>Line &amp; Load</td>
<td>Level(3)</td>
</tr>
<tr>
<td>PSAA15W-050</td>
<td>+5V</td>
<td>0A</td>
<td>3.00A</td>
<td>70mV</td>
<td>±5%</td>
</tr>
<tr>
<td>PSAA15W-120</td>
<td>+12V</td>
<td>0A</td>
<td>1.25A</td>
<td>120mV</td>
<td>±5%</td>
</tr>
<tr>
<td>PSAA15W-180</td>
<td>+18V</td>
<td>0A</td>
<td>0.83A</td>
<td>180mV</td>
<td>±5%</td>
</tr>
<tr>
<td>PSAA15W-240</td>
<td>+24V</td>
<td>0A</td>
<td>0.63A</td>
<td>240mV</td>
<td>±5%</td>
</tr>
<tr>
<td>PSAA15W-480</td>
<td>+48V</td>
<td>0A</td>
<td>0.31A</td>
<td>480mV</td>
<td>±5%</td>
</tr>
</tbody>
</table>

Notes:
1. Measured by using a 12 inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.
2. Minimum order quantity of 1500 pieces is required when ordering this model.
3. Units with Level IV Efficiency may no longer be shipped to the European Union for commercial or consumer purposes.

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Revision 11/8/2013
PSAA15W 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 240V AC
- **Leakage Current**: 0.25mA maximum
- **Inrush Current**:
  - 30A for 120V AC at maximum load
  - 60A for 240V AC at maximum load
  - (Cold start at ambient 25°C)
- **Input Power Saving**: 0.5W maximum at no load

**Output:**
- **Efficiency**: >74% average efficiency
- **Hold-up Time**: 10mS minimum at 120V AC and maximum load

**Environmental:**
- **Temperature**:
  - Operation: 0 to +40°C
  - Non-operation: -25 to +75°C
- **Humidity**: 20 to 90%

**Emissions**
- FCC Class B
- EN55022 Class B

**Immunity**
- IEC61000-4-2
- IEC61000-4-3
- IEC61000-4-4
- IEC61000-4-5
- IEC61000-4-6
- IEC61000-4-8
- IEC61000-4-11
- EN61000-3-2

**Over Voltage Protection**
- By Zener clamping, adapter will be shut down

**Over Current Protection**
- Output equipped with short circuit protection with auto restart

**Short Circuit Protection**
- Output can be shorted without damage

**Dielectric Withstand (Hi-pot) Test**
- Primary to Secondary: 300V AC for 1 minute, 10mA

**DC Output Connector (Tuning Fork Type)**
- 2.1 x 5.5 x 9.5mm Center Positive Standard

**Mating Connector**
- Kycon KLD-0202-A or equivalent

**AC Input Connector**
- IEC320 C8

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**Dimension Diagram Unit: mm**

![Image of dimensions and diagrams]
Mouser Electronics

Authorized Distributor

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Phihong:
PSAA15W-120-R-CNR1