65 Watt* Open-Frame Power Supply
PSA065 Single Output 2" x 4" Series (for ITE)

*45W Convection, 65W 20CFM Airflow cooling

Features
- 2 x 4 Footprint
- Low Profile Design Fits 1U Applications
- Low-Cost

Applications
- Telecom/Datacom
- Industrial
- Peripherals

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

Mechanical Characteristics
- Length: 101.6mm (4.0in)
- Height: 30.6mm (1.2in)
- Width: 50.8mm (2.0in)
- Weight: 160g (5.64oz)

Output Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DC Output Voltage</th>
<th>Line Min.</th>
<th>Line Convection</th>
<th>Line 20cfm</th>
<th>Ripple (1) P-P (max)</th>
<th>Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Line</td>
<td>Load</td>
</tr>
<tr>
<td>PSA065-120</td>
<td>+12V</td>
<td>0A</td>
<td>3.75</td>
<td>5.42A</td>
<td>120mV</td>
<td>±2%</td>
</tr>
<tr>
<td>PSA065-240</td>
<td>+24V</td>
<td>0A</td>
<td>1.88</td>
<td>2.71A</td>
<td>240mV</td>
<td>±2%</td>
</tr>
<tr>
<td>PSA065-480</td>
<td>+48V</td>
<td>0A</td>
<td>0.94</td>
<td>1.36A</td>
<td>480mV</td>
<td>±2%</td>
</tr>
</tbody>
</table>

(1) Measured by using a 12 inch twisted pair terminated with a 10uF capacitor and a 0.1uF ceramic in parallel, measured at maximum load after a 20 minute warm up and bandwidth set to 20MHz.

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PSA065 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: 1.5A at maximum load and 115V AC, 0.75A at maximum load and 230V AC
- Leakage Current: 100uA maximum at 264V AC
- Inrush Current: 30A for 1150V AC at maximum load, 60A for 230V AC at maximum load (Cold start at ambient 25°C)

Hold-up Time: 10mS typical at maximum load and 115V AC

Output:
- Efficiency: 80% minimum at maximum load and 115V AC
- Over-Voltage Protection: +48V DC at +72V DC maximum
- Over-Current Protection: Auto-restart
- Input Protection: Fuse in line and neutral

Environmental:
- Temperature: Operation: 0 to 50°C, Non-operation: -25 to +85°C

Humidity:
- Operation: 5 to 95% non-condensing

Emissions:
- FCC Class B
- EN55022 Class B

Immunity:
- EN55024 1998
- EN61000-4-2 Level 3
- EN61000-4-3 Level 2
- EN61000-4-4 Level 3
- EN61000-4-5 Level 3
- EN61000-4-6 Level 2
- EN61000-4-11
- EN61000-3-2 Harmonic Class A
- EN61000-3-3 Flicker

General:
- Insulation Resistance: 10M Ohm minimum, 500V DC

Dielectric Withstand (Hi-pot) Test:
- Input to Ground: 1600V AC for 3 seconds, 10mA
- Input to Output: 4200V AC for 3 seconds, 10mA

Switching Frequency:
- 50K Hz typical

MTBF (Full load and 110V AC, 25°C):
>100K Hrs

Input Connector:
- Molex 09-51-4034 housing with Molex 08-50-0106 pins

DC Output Connector:
- Molex 26-03-4041 housing with Molex 08-50-0189 pins

PSA065 Dimension Diagram: Unit mm