S-75W Single Output Switching Power Supply

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**Features**:
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 77KHz

**SPECIFICATION**

**MODEL**
- S-75-5
- S-75-12
- S-75-15
- S-75-24

**INPUT**
- DC VOLTAGE: 5V, 12V, 15V, 24V
- RATED CURRENT: 5A, 9.3A, 9.5A, 5A
- CURRENT RANGE: 9.3A-9.5A, 9.3A-9.5A, 9.3A-9.5A
- RATED POWER: 75W, 75W, 75W
- RIPPLE & NOISE (max.): 125mVp-p, 125mVp-p, 150mVp-p
- VOLTAGE ADJ. RANGE: ±10.8 - ±13.2V, ±16.5 - ±19.5V, ±21.6 - ±24V
- VOLTAGE TOLERANCE: ±1.0%, ±1.0%, ±1.0%
- COLD SMART 230VAC, 400V230VAC
- LEAKAGE CURRENT: <0.3mA, <0.3mA
- PROTECTION: OVERLOAD, Short Circuit
- TEMPERATURE 20 ~ 40°C (Refer to "Operating Curve")
- WORKING HUMIDITY: 20 ~ 90%RH non-condensing
- STORAGE TEMP. HUMIDITY: 20 ~ 95%RH
- VIBRATION 10 ~ 1000Hz, 20 10mm±1/1cycle, period for 60min, each along X, Y, Z axes
- SAFETY & ECE (Note 4)
- UL1212: UL60950-1, TUV EN60950-1, CCC GB4943 approved
- ISOLATION VOLTAGE: 500V, 1000V, 1500V
- ISOLATION RESISTANCE: 500V, 1000V, 1500V
- EMC EMISSION: Compliance to EN55022 CISPR22 Class B, EN61000-3-2, 3
- EMC IMMUNITY: EN61000-4-2, 3, 4, 5, 6, 8A, 11, 15, EN55024, light industry (note: criteria A)
- OTHERS: [details]

**OUTPUT**
- AMBIENT TEMPERATURE: (C.)
- INPUT VOLTAGE (V) 60Hz

**Mechanical Specification**

**Block Diagram**

**Derating Curve**

**Static Characteristics (24V)**

**Terminal Pin No. Assignment**

<table>
<thead>
<tr>
<th>Pin No.</th>
<th>Assignment</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>DC OUTPUT+</td>
</tr>
<tr>
<td>2</td>
<td>AGN</td>
</tr>
<tr>
<td>3</td>
<td>FG</td>
</tr>
</tbody>
</table>

**NOTE**
1. All parameters are N.P.T. specifications.
2. Dimensions and weights are based on at 90% of ambient temperature.
3. Dimensions and weights are measured at 20mm of bandwidth by using a 12" filtered pair-wire terminated with 0.5uf & 4uf parallel capacitor.
4. The power supply is considered a component and will be subjected to final equipment. The final equipment must be re-confirmed that it is meets EMC directives.