Model No.: AD8038(24W)

INPUT CHARACTERISTICS

- **Input Voltage Range**: 90-264Vac
- **Input Frequency Range**: 47-63Hz
- **Input Current**: 0.6A at 115Vac, full load.
- **Inrush Current Cold Start**: < 120A at 230Vac, full load, at 25°C.
- **No Load Operation Internal power loss**: < 0.3W at 230Vac, 50Hz.
- **Efficiency**: Average efficiency (25%, 50%, 75%, 100% load) ≥ 84% at 115&230Vac.

OUTPUT CHARACTERISTICS

<table>
<thead>
<tr>
<th>Output Voltage</th>
<th>MIN.</th>
<th>MAX</th>
<th>Regulation (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.0V</td>
<td>0A</td>
<td>2A</td>
<td>11.4V ~ 12.6V</td>
</tr>
</tbody>
</table>

- **Ripple Noise**: ≤ 120 mVp-p (with spike noise)
- **Hold-up Time**: 10mS min @ 100Vac 60Hz, full load.
- **Turn-on Delay**: 3 sec max @ 120Vac.
- **Rise Time**: Less than 50msec.

**General SPEC.**
- **OVP**: 18V max., Automatic shutdown. (Latch model)
- **SCP**: Short circuit protection with auto-recovery function.
- **OCP**: Over current protection < 4A, with auto-recovery function.
- **Leakage Current**: < 0.25mA at 254Vac 50Hz.
- **RFI/EMI**: CISPR 13, EN55013, CISPR 22 class B
- **MTBF (Calculation)**: 100Khrs at 45°C MIL-STD-217F.
- **Dimension**: 95x50x31.2mm

**ENVIRONMENTAL SPEC.**
- **Operating Temperature**: 0~40°C
- **Storage Temperature**: -45~80°C