Model No.: WA9004(18W)

INPUT CHARACTERISTICS

- **Input Voltage Range**: 80-300Vac single phase; single phase.
- **Input Frequency Range**: 47.5-52.5Hz
- **Input Current**: 0.5A max. at 90Vac, full load.
- **Inrush Current**: < 20A max. at 230Vac.
- **No Load Operation**: 0.3W max. at 230Vac with no load.
- **Efficiency (normal)**: 70% min at 230Vac, full load.

OUTPUT CHARACTERISTICS

<table>
<thead>
<tr>
<th>Output Voltage</th>
<th>Load Range MIN.</th>
<th>Load Range MAX.</th>
<th>Regulation (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V</td>
<td>0A</td>
<td>1.5A</td>
<td>11.4V ~ 12.6V</td>
</tr>
</tbody>
</table>

- **Ripple Noise**: ≤ 100 mVp-p with 0.1uF/33uF capacitors at output connector terminal for Ripple & Noise test
- **Hold-up Time**: 20mS min @ 90Vac, full load.
- **Turn-on Delay**: 3 sec max @ 230Vac, full load.
- **Rise Time**: Less than 20mS.

**General SPEC.**

- **OVP**: 9V max., when OVP operates, Vout should be clamped to the beginning level.
- **SCP**: Auto recover when fault conditions are removed.
- **OCP**: Auto recover when fault conditions are removed.
- **No Load Operation**: 0.3W max. at 230Vac with no load.
- **Leakage Current**: 200uA max.
- **RFI/EMI**: EN55013:2001+A1
- **Dimension**: 96x55x33mm

**ENVIRONMENTAL SPEC.**

- **Operating Temperature**: 0~55°C
- **Storage Temperature**: -25~70°C