Regulated AC Power Adapter
12V DC / 2A

Input Characteristics

- **Rated Voltage**: 100 – 240V AC
- **Variation Range**: 90 – 264V AC
- **Rated Frequency**: 50/60Hz
- **Variation Frequency**: 47 – 63Hz
- **Input Current**: 0.6A Max. @ Any input AC voltage & output full load
- **Inrush Current**: 35A Max. Cold start @ 240V AC input, rated output load & 25°C ambient
- **AC Leakage Current**: 0.25mA Max. @ 240V AC input

Output Characteristics

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Min. Load</th>
<th>Rated Load</th>
<th>Output Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V DC</td>
<td>0.01A</td>
<td>2A</td>
<td>24W</td>
</tr>
</tbody>
</table>

Combined Load / Line Regulation

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Min. Load</th>
<th>Rated Load</th>
<th>Line Regulation</th>
<th>Load Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V DC</td>
<td>0.01A</td>
<td>2A</td>
<td>± 1%</td>
<td>± 3%</td>
</tr>
</tbody>
</table>

Ripple and Noise:
- Under normal voltage & nominal load, the ripple & noise are as follows when measure with Max. Bandwidth of 20MHz & parallel 10µF electrolysis capacitor & 0.1µF ceramic capacitor crossed connect at testing point.
  - Voltage: +12V DC
  - Ripple & Noise (Max.): 120mVp-p

- Turn on Delay Time: 2S Max. @ 115V AC input and output Max. Load
- Rise Time: 40mS Max. @ 115V AC input and output Max. Load
- Hold Up Time: 5mS Min. @ 115V AC input and output Max. Load
- Efficiency: Average efficiency 87.4% minimum @ 25%, 50%, 75% & 100% of full-loading and 230V AC input (After warm up 30 minutes). Meet with Energy star level VI. No load input watt ≤ 0.1W
- Overshoot: 10% Max. When power supply @ turn on or turn off.

Environmental Requirement

- **Operating Temperature**: 0°C to 40°C, Full load, Normal Operation
- **Storage Temperature**: -40°C to 85°C
- **Relative Humidity**: 5% (0°C) ~ 95% (40°C) RH, 72Hrs, Full load, Normal operating

Mechanical Requirement

- **Enclosure**: 82.4mm (L) × 43.7mm (W) × 30.3mm (H)
- **Input Connector**: 2 Pin Input plug

Outline Dimension

- **Out Cord**: UL1185 18AWG VW-1 80° 300V, FT1 Line with word on the cord Length: 1.2m.
- **DC Plug**: 5.5mm × 2.1mm × 12mm
Regulated AC Power Adapter
12V DC / 2A

Diagram

Dimensions : Millimetres

Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulated AC Power Adapter, 12V DC, 2A, 24W</td>
<td>28-19376</td>
</tr>
</tbody>
</table>

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