EA1015 Series

AC/DC Single Output Interchangeable Plug

- 10~15Watts Max.

Features

- CEC Compliance
- RoHS Compliance
- Interchangeable AC Plug
- Over Voltage Protective Installation
- Short Circuit Protective Installation
- Protection Type: Auto-Recovery
- MTBF: >30,000 hours

EA1015 x R - vv PP

x: Output range
R: Interchangeable AC plug:
  - U: USA  E: EU  K: UK  A: SAA
vv: Specified output voltage, ie 24 is 24Vdc
PP: Connector type, ie D1 for ED/ACPOWER standard
do cable or please refer to the appendix page

Electrical Specifications

<table>
<thead>
<tr>
<th>MODEL No.</th>
<th>MAX. OUTPUT POWER (W)</th>
<th>OUTPUT VOLTAGE (Vo)</th>
<th>MIN. LOAD (Io)</th>
<th>MAX. LOAD (Io)</th>
<th>LOAD REGULATION</th>
<th>LINE REGULATION</th>
<th>RIPPLE &amp; NOISE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA1015-AR</td>
<td>10W</td>
<td>3-6V</td>
<td>0A</td>
<td>2.6A</td>
<td>±5%</td>
<td>±1%</td>
<td>100mV</td>
</tr>
<tr>
<td>EA1015-BR</td>
<td>12W</td>
<td>6-9V</td>
<td>0A</td>
<td>2.0A</td>
<td>±5%</td>
<td>±1%</td>
<td>180mV</td>
</tr>
<tr>
<td>EA1015-CR</td>
<td>15W</td>
<td>10-15V</td>
<td>0A</td>
<td>1.5A</td>
<td>±5%</td>
<td>±1%</td>
<td>240mV</td>
</tr>
<tr>
<td>EA1015-DR</td>
<td>15W</td>
<td>16-24V</td>
<td>0A</td>
<td>0.9A</td>
<td>±5%</td>
<td>±1%</td>
<td>360mV</td>
</tr>
</tbody>
</table>

NOTE:
1: Ripple & noise is measured by using 20kHz bandwidth limited oscilloscope and terminated each output with a 0.1μF ceramic capacitor & parallel with 47μF aluminum capacitor at full load and nominal line.
2: Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3: Max. Output Power (W) = Vo x Io

Electrical Specifications

INPUT

- Input Range: 100 to 240VAC
- Frequency: 50 to 60Hz
- Input Current: ≤0.5A
- Intrush Current: ≤60A at cold start
- Efficiency:
  - EA1015-AR: 68% Min.
  - EA1015-BR: 75% Min.
  - EA1015-CR: 75% Min.
  - EA1015-DR: 75% Min.
- Hold Up Time: >0.3ms
- Turn On Time: ≤6s

OUTPUT

- Over Voltage Protection: Auto Recovery
- Short Circuit Protection: Auto Recovery

ENVIRONMENTAL

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Storage Humidity: 5% to 95%

SAFETY

- UL/cUL, TUV, CB, CE, FCC, CCC

Mechanical Specification

- Case Size: 71L x 47.5W x 39H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 140g

Certificates listed are for reference only. Please contact us at sales@edac.com.sg for more details.