RoHS

Single Port RJ45

AR11-4501

- 10/100/1000 Gigabit Base-T for Ethernet Applications
- Operating Temp: 0°C to +70°C
- Storage Temp: -40°C to +85°C
- RJ45 Jack cavity conforms to FCC rules and regulations Part 68

Electrical Specifications @25°C

<table>
<thead>
<tr>
<th>OCL(µH Min) @100KHz, 0.1V With 8mA DC BIAS</th>
<th>Turns Ratio (±5%)</th>
<th>1-40MHz</th>
<th>40-60MHz</th>
<th>60-80MHz</th>
<th>80-100MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>1.1</td>
<td>-16</td>
<td>-12</td>
<td>-10</td>
<td>-8</td>
</tr>
</tbody>
</table>

Electrical Specifications @25°C

<table>
<thead>
<tr>
<th>Insertion Loss (dB Max)</th>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>DCR (Ω Max)</th>
<th>Hi-Pot PHY to Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-100MHz</td>
<td>100-125MHz</td>
<td>1-100MHz</td>
<td>1-100MHz</td>
<td>1.2</td>
</tr>
<tr>
<td>-1.0</td>
<td>-1.2</td>
<td>-30</td>
<td>-30</td>
<td></td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

MECHANICAL

Dimensions: inch (mm)

*Unless otherwise specified, all dimension tolerances are ±.010 (.254mm)
1. Connector Material:
   Housing: Thermoplastic Black UL 94 V-0
   Shield: Brass
   Shield Plating: Nickel
   Contact: Phosphor Bronze
   Contact Plating: Selective Gold, 6µ" Min in contact area

2. Pin not Electrically connected maybe omitted review electrical drawing for omitted Pins.

3. The part is recommended for wave soldering process peak soldering Temperature is 260°C Max, 10 Secs Max