Single Port RJ45 Connector  AR11-4503I

- 10/100/1000 Gigabit Base-T for Ethernet, LAN, WAN and other networking applications
- For PoE+ Applications. Compliant with IEEE802.3at
- Balanced DC Current: 720mA Max @ 57VDC Continuous
  1.2A Max @ 57VDC for 200 Milliseconds
- Industrial Operating 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>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>1:1</td>
<td>1-40MHz</td>
</tr>
<tr>
<td></td>
<td>-16</td>
<td>-12</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-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>

**Dimensions:**

- Dimensions: inch (mm)
- GREEN/ORANGE: .642 (16.31)
- YELLOW: .536 (13.61)
- YELLOW: .430 (10.92)
- GREEN/ORANGE: 1.282 (32.57)
- .125 (3.17)

Unless otherwise specified, all dimension tolerances are ±0.10 (.25mm)

RoHS
1. Connector Material:
   Housing: Thermoplastic Black UL94V-0
   Shield: Brass
   Shield Plating: Nickel
   Contact: Phosphor Bronze
   Contact Plating: Selective gold, 6µ" min in contact area
2. Pin not electrically connected may be omitted. See electrical drawing for omitted pins
3. RJ45 cavities conform to FCC Rules and Regulation Part 68
   The part is recommended for wave soldering process peak
4. soldering temperature is 260°C Max, 10 Sec Max