1X2 Dual Port RJ45 Connector AR12-4423

- 10/100/1000 Base-T Gigabit LAN and other Ethernet Applications
- RJ45 jack cavity conforms to FCC rules and regulations
  Part 68, SUB Part F
- Standard Operating Temp: 0ºC to 70ºC
- Available in other Circuit Designs

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL (µH Min) @ 100kHz, 0.1V</th>
<th>Turns Ratio (±2%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>With 8mA DC Bias</td>
<td>chip: cable</td>
<td>0.3-100MHz</td>
<td>100-1200MHz</td>
</tr>
<tr>
<td>AR12-4423</td>
<td>350</td>
<td>TX / RX = 1CT:1CT</td>
<td>-0.8</td>
<td>-1.2</td>
</tr>
</tbody>
</table>

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>CDMR (dB Min)</th>
<th>HI-POT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1-100MHz</td>
<td>0.3-100MHz</td>
<td>0.3-100MHz</td>
<td></td>
</tr>
<tr>
<td>-12+20Log (f/100MHz)</td>
<td>-30</td>
<td>-30</td>
<td>1500VAC for 60 seconds</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

- Front Side View
- Left Side View
- Top Side View
1. Meets IEEE 802.3 specification
2. Connector Materials:
   - Housing: Thermoplastic UL94V-0
   - Contact/Shield: Copper alloy
   - Shield plating: Nickel
   - Contact plating: Gold 6 micro-inches min. in contact area.
3. Wave solder tip temperature: 265°C Max, 5 Sec Max