Single Port RJ45 Connector

AR11-3930I

- 10/100 Base-T Ethernet Application
- Impedance: 100OHMS
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Industrial Operating Temp: -40°C to +85°C
- Contact Factory for Industrial Temp.
- Available in other Circuit Designs
- Optional Gold Plating Thickness
- Other LED Patterns available

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias</th>
<th>Turns Ratio chip: cable (±2%)</th>
<th>Insertion Loss (dB Max) 1-100MHz</th>
<th>Return Loss (dB Min) 1-30MHz 30-60MHz 60-80MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-3930I</td>
<td>350</td>
<td>1:1</td>
<td>-1.0</td>
<td>18</td>
</tr>
</tbody>
</table>

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Cross Talk (dBi Min)</th>
<th>CMR (dBi Min)</th>
<th>CDMR (dBi Min)</th>
<th>HI-POT (Vrms) 0.5mA/2Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5-1MHz 10MHz 50MHz 100MHz</td>
<td>0.3-1MHz 10MHz 30MHz 100MHz</td>
<td>0.3-1MHz 10MHz 30MHz 60MHz 100MHz</td>
<td>1500</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**

![Mechanical Dimensions](image)
1. Shield- 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u" Min
3. RJ Terminal- Plastic: Nylon 66, UL94V-0, Standard Color Black. Pin: 0.35mm Thickness Phos-Bronze C5210 EH. Plating: Nickel 40u"-60u" for all and Sn 100%, and 6u" Gold Plating.
4. Input Terminal: Nylon66, Glass Filled, UL94V-0, Standard Color Black. Pin: 0.35mm Thickness Phos-Bronze C2680. Plating: Nickel 40u"-60u" for all and Sn 100%.