SINGLE PORT RJ45 CONNECTOR

AR11-3931I

- 10/100 Base-T for Ethernet applications
- Impedance: 100 OHMS
- Transmit open circuit inductance (OCL): 350uH (MIN) @ 100KHZ, 0.1VRMS with 8mA DC DIas
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Industrial operating temp: -40°C to +85°C
- Compliant with IEEE 802.3af for PoE applications

RoHS

Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(uH Min) @ 100kHz, 0.1V</th>
<th>Cross Talk (dB Min)</th>
<th>HI-POT 1.0mA (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>With 8mA DC Bias</td>
<td>0.5-10MHz</td>
<td>30MHz</td>
</tr>
<tr>
<td>AR11-3931I</td>
<td>350</td>
<td>-50</td>
<td>-40</td>
</tr>
</tbody>
</table>

Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min) @ Load 100 Ohm</th>
<th>CMR (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-100MHz</td>
<td>100-125 MHz (10/100/100)</td>
<td>1-100MHz</td>
</tr>
<tr>
<td>AR11-3931I</td>
<td>-1.0</td>
<td>-1.2</td>
<td>-18</td>
</tr>
</tbody>
</table>

MECHANICAL
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u" Min.

2. Housing- Standard Material Nylon66, Glass filled
   Polyester UL94V-0 Standard Color Black.

3. RJ Terminal- Plastic: Nylon66, 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: Plastic Nylon66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness SUS430.
   Plating: Nickel 40u"-60u" for all and Sn 100%.