SINGLE PORT RJ45 CONNECTOR AR11-4183I

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

**Electrical Specifications @ 25ºC**

<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>Cross Talk (dB Min) 0.5-10MHz, 30MHz, 50MHz, 100MHz</th>
<th>HI-POT 1.0mA (V) without capacitance with capacitance</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4183I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-50, -40, -35, -30</td>
<td>1500 AC, 2250 DC</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25ºC**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insertion Loss (dB Max) 1-100MHz, 100-125 MHz (10/100/100)</th>
<th>Return Loss (dB Min) @ Load 100 Ohm 1-30MHz, 30-50MHz, 60MHz, 60-80MHz, 80-100MHz (10/100/1000)</th>
<th>CMR (dB Min) 1-100MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4183I</td>
<td>-1.0, -1.2, -18, -16, -14, -12, -10</td>
<td>-30</td>
<td>-30</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**

[Diagram of mechanical specifications]
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u" Min.

2. Housing- Standard Material Nylon66, Glass filled
   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
   15u" Gold Plating.

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