10/100/1000 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 @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(uH Min) @ 100kHz, 0.1V</th>
<th>Turns Ratio chip: cable (± 2%)</th>
<th>Cross Talk (dB Min)</th>
<th>HI-POT 1.0mA (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4179I</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 @ 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>1-30MHz</td>
</tr>
<tr>
<td>AR11-4179I</td>
<td>-1.0</td>
<td>-1.2</td>
<td>-18</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u" Min.
2. Housing- Standard Material Nylon66, Glass filled
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all and Sn 100%, and
   30u" Gold Plating.
3. RJ Terminal- Nylon, Glass Filled, UL94V-0, Standard Color Black.
   Pin: 0.35mm SUS430.
   Plating: Nickel 40u"-60u" for all and Sn 100%.
4. Input Terminal: Nylon, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm SUS430.
   Plating: Nickel 40u"-60u" for all and Sn 100%.

With a forward current of 20mA