10/100/1000 BaseT Gigabit for LAN and other Ethernet Applications
- Transmits 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
- Standard operating temp: 0°C to +70°C

### Mechanical Specifications

**SINGLE PORT RJ45 CONNECTOR**

- **Part Number:** AR11-4316
- **P/N:** XXXX
- **D/C:**
- **Dimensions:**
  - **Left LED:** 15.90±0.38
  - **Right LED:** 15.70±0.25
  - **Height:** 11.00

---

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL (μH Min) @ 100kHz, 0.1V</th>
<th>Transmits Ratio @ 100kHz, 0.1V</th>
<th>Cross Talk (dB Min)</th>
<th>HI-POT 1.0mA 60s</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4316</td>
<td>350</td>
<td>1:1±5%</td>
<td>1:1±5%</td>
<td>-30</td>
</tr>
</tbody>
</table>

**RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F.**

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min) @ 100 Ohm</th>
<th>CMR (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4316</td>
<td>-1.0</td>
<td>-1.2</td>
<td>-18</td>
</tr>
</tbody>
</table>

**1-100MHz**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>100-125MHz</th>
<th>1-30MHz</th>
<th>30-60MHz</th>
<th>60-80MHz</th>
<th>80-100MHz</th>
<th>1-100MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4316</td>
<td>-12</td>
<td>-18</td>
<td>-16</td>
<td>-12</td>
<td>-10</td>
<td>-30</td>
</tr>
</tbody>
</table>

**1-100MHz**

All specifications subject to change without notice.
1. Shielded — 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u" Min.
3. Contact Pin— Plastic: Nylon66, UL94V-0, Standard Color Black, Pin: 0.35mm Thickness Phos-Bronze C5210 EH, Plating: Nickel30u" ~60u" for all and Sn 100%, and Gold Plating 50u".
4. Insert Pin— Plastic: Nylon66, Glass Filled, UL94V-0, Standard Color Black, Pin: 0.35mm Thickness SUS430, Plating: Nickel30u" ~60u" for all and Sn 100%.

With a forward current of 20mA