10/100 Base-T for LAN and other Ethernet Applications
- 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
- Standard operating temp: 0°C to +70°C
- Contact factory for Industrial Temp.
- With yellow and green LEDs

---

**Single Port RJ45 Connector**

**AR11-3792**

- **Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias</th>
<th>Insertion Loss (dB Max) @ 0.3-100MHz</th>
<th>Return Loss (dB Min) @ 30MHz, 50MHz, 80MHz, 80MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-3792</td>
<td>350</td>
<td>-1.0</td>
<td>-18, -15, -12</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cross Talk (dB Min) 30MHz, 60MHz, 100MHz</th>
<th>CMR (dB TYP) 30MHz, 60MHz, 100MHz</th>
<th>HI-POT (Vrms) 0.5mA/2Sec. 60MHz, 100MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-3792</td>
<td>-38, -38, -38</td>
<td>-40, -40, -40</td>
<td>1500, 1500</td>
</tr>
</tbody>
</table>

---

**MECHANICAL**

---

All specifications subject to change without notice.
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.

   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u", for all and Sn 100u"-120u", and Gold Plating 6u".

4. Contact Pin- Plastic: Nylon66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C2680.
   Plating: Nickel 40u"-60u" for all and Sn 100u"-120u".

<table>
<thead>
<tr>
<th>Standard LED</th>
<th>Wavelength</th>
<th>Forward#V(MAX)</th>
<th>TYP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>605nm</td>
<td>2.5v</td>
<td>2.2v</td>
</tr>
<tr>
<td>Yellow</td>
<td>591nm</td>
<td>2.5v</td>
<td>2.1v</td>
</tr>
</tbody>
</table>

With a forward current of 20mA