**Single Port RJ45 Connector**

- 10/100 Base-T Ethernet Application
- Impedance: 100ΩHMS
- 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: 0ºC to +70ºC

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL (µH Min) @ 100kHz, 0.1V</th>
<th>Turns Ratio (±3%) chip: cable</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-3664</td>
<td>350</td>
<td>(3-6):(3-6) CT:1CT, (1-2): (1-2)</td>
<td>0.3-100MHz 30MHz 50MHz 80MHz</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></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)</th>
<th>CMR (dB Min)</th>
<th>HI-POT (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-3664</td>
<td>-38</td>
<td>-40</td>
<td>-40</td>
</tr>
<tr>
<td></td>
<td>30MHz 60MHz 100MHz</td>
<td>30MHz 60MHz 100MHz</td>
<td>0.5mA/2Sec. 1500</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

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**RoHS**

**400x565 to 559x687**

**164x271 to 176x279**

**203x271 to 215x279**

**213x35**

**REVISED 11/18/13**
1. Shield - 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 30u"~50u"
3. Insert Pin - Plastic: PBT 30% G.F, UL94V-0, Standard Color Black. Pin: 0.35mm Thickness Phos-Bronze C5210 EH. Plating: Nickel 40u"~60u", for all and Sn100%, and Gold Plating.
4. Contact Pin - Plastic: PBT 30% G.F, Glass Filled, UL94V-0, Standard Color Black. Pin: 0.35mm Thickness Phos-Bronze C2680. Plating: Nickel 40u"~60u" for all and Sn 100%.