1X4 RJ45 Connector  
AR14-3680

- 10/100 Base-T Ethernet Application
- With Green and Yellow LED’S
- 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
- Standard operating temp: 0°C to +70°C
- Contact factory for Industrial Temp.
- Storage temperature range: -40°C to +85°C

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(uH Min) @ 100kHz, 0.1V</th>
<th>Turns Ratio (±2%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR14-3680</td>
<td>350</td>
<td>1CT:1CT</td>
<td>1-100MHz</td>
<td>-1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1-30MHz</td>
<td>-18</td>
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<td></td>
<td></td>
<td>30-60MHz</td>
<td>-18-20Log(F/30MHz)</td>
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<td></td>
<td></td>
<td></td>
<td>60-80MHz</td>
<td>-12</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>CDMR (dB Min)</th>
<th>HI-POT (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5-1MHz</td>
<td>10MHz</td>
<td>50MHz</td>
<td>100MHz</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**
1. Shield - 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 30μ"-50μ"
2. Housing - Standard Material Nylon 66, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. RJ Terminal - Plastic: PBT UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40μ"-60μ" for all and Sn 100%, and
   6μ" Gold Plating.
4. Input Terminal - Plastic: PBT, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm SUS430.
   Plating: Nickel 40μ"-60μ" for all and Sn 100%.