2X1 Dual Port RJ45 Connector

AR21-3787

- 10/100/1000 Base-T Gigabit for Ethernet Applications
- Operating Temp: 0°C to + 70°C
- Contact Factory for possible Industrial Temp version
- Available in other Circuit Designs
- Optional Gold Plating Thickness

**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>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR21-3787</td>
<td>350</td>
<td>1:1</td>
<td>-1.0</td>
<td>-18</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>30MHz</td>
<td>10MHz</td>
</tr>
<tr>
<td>-50</td>
<td>-50</td>
<td>-40</td>
<td>-50</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.
1. **Shield:** 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20µ" Min
2. **Housing:** Standard Material High Temperature FR52, Glass filled Polyester UL94V-0 Standard Color Black.
3. **RJ Terminal:** Plastic: FR52, UL94V-0, Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH. Plating: Nickel 30µ"-50µ" for all and Sn 100%, and 30µ" Gold Plating.
4. **Input Terminal:** FR52, Glass Filled, UL94V-0, Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5191.
   Plating: Nickel 30µ"-50µ" for all and Sn 100%.