**1X2 Dual Port RJ45 Connector**

**AR12-3830I**

- 10/100 Base-T for Ethernet Applications
- Impedance: 100OHMS
- RJ45 jack cavity conforms to FCC rules and regulations
- Part 68, SUB Part F
- Industrial Temp: -40°C to +85°C
- 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 With 8mA DC Bias</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>AR12-3830I</td>
<td>350</td>
<td>1CT:1CT</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 10MHz 50MHz 100MHz</td>
<td>0.3-1MHz 10MHz 30MHz 60MHz 100MHz</td>
<td>0.3-1MHz 10MHz 30MHz 60MHz 100MHz</td>
<td>0.5mA/2Sec.</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

---

**MECHANICAL**

---
1. Shield- 0.25mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u" min
3. RJ Terminal- 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 Sn 100%, and 6u" Gold Plating.
4. Input Terminal: Plastic PBT 30%G.F, Glass Filled, UL94V-0, Standard Color Black. Pin: 0.35mm Thickness C2680 Plating: Nickel 40u"-60u" for all and Sn 100%. 

NOTES