• 10/100/1000 Base-T Gigabit for LAN and other Ethernet Applications
• Designed to meet IEEE 802.3at
• PoE up to 720 mA MAX @ 57 VDC continuous
• RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
• Industrial Temp: -40ºC to +85ºC

**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>Cross Talk (dB Min)</th>
<th>HI-POT 1.0 mA (V)</th>
<th>WO/capacitance</th>
<th>W/capacitance</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4210I</td>
<td>350</td>
<td>TX 1:1CT</td>
<td>1CT:1CT</td>
<td>-50</td>
<td>-40</td>
<td>-35</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min) @ Load 100 OHM</th>
<th>CMR (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-100MHz</td>
<td>100-125MHz (10/100/1000)</td>
<td>1-100MHz</td>
</tr>
<tr>
<td>AR11-4210I</td>
<td>-1.0</td>
<td>-1.2</td>
<td>-1.0</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.
PCB LAYOUT

NOTES

1. Shielded - 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u" Min.

2. Housing - Standard Material Nylon PA66, Glass Filled
   Polyester UL94V-0 Stained Color Black.

3. RJ Terminal - PlasticLCP UL94V-0, Standard Color Black.
   Pin0.35mm Thickness Phos-Bronze C5210 EH.
   Plating:Nickel140u"~60u" for all and Sn 100%,
   and Gold Plating.

4. Input Terminal - Plastic: Nylon PA66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin0.35mm Thickness SUS430.
   Plating:Nickel140u"~60u" for all and Sn 100%.