10/100/1000 BaseT Gigabit for LAN and other Ethernet Applications
- Transmit open circuit inductance (OCL): 350uH (MIN) @100KHz, 0.1VRMS with 8mA DC Bias
- Standard operating temp: -40°C to +85°C

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(µH Min) with 8mA DC Bias</th>
<th>Turns Ratio P2-P3: J1-J2</th>
<th>Cross Talk 1-100MHz</th>
<th>HI-POT 1.0mA 60s</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4388I</td>
<td>350</td>
<td>1:±5%</td>
<td>-30</td>
<td>1500VAC</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>AR11-4388I</td>
<td>-1.0</td>
<td>1-30MHz</td>
<td>-10</td>
</tr>
<tr>
<td></td>
<td>-1.2</td>
<td>30-60MHz</td>
<td>3.05</td>
</tr>
<tr>
<td></td>
<td>-18</td>
<td>1-100MHz</td>
<td>3.25±0.25</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

![Mechanical diagram of the connector](image)
SCHEMATICS

PCB LAYOUT

NOTES

1. Shielded — 0.20mm Thickness Brass C2680 H. 
   Plating Nickel 20u"MIN.
2. Housing— Plastic: Nylon 66, Glass Fiber Filled 
   Polyester UL94V-0 Standard Color Block.
3. Contact Pin— Plastic: Nylon 66, Glass Fiber Filled 
   Polyester UL94V-0 Standard Color Block. 
   Pin: 0.35mm Thickness Phosphor Bronze C5210 EH. 
   Plating: Nickel 30u"~60u" For All And Sn 100%, 
   And Gold Plating 30u".
4. Insert Pin— Plastic: Nylon 66, Glass Fiber Filled 
   Polyester UL94V-0 Standard Color Block. 
   Pin: 0.35mm Thickness SUS430. 
   Plating: Sn All Over 30u"~60u" Nickel