- 10/100/1000 BaseT Gigabit
- 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

### 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 1.0mA (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-3891</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-50, -40, -35, -30</td>
<td>1500 AC, 2250 DC</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>AR11-3891</td>
<td>-1.0</td>
<td>-1.2, -16, -14, -12, -10</td>
<td>-30</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20µ” Min.
2. Housing- Standard Material Nylon66, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. RJ Terminal- Plastic: Nylon66, UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40µ”-60µ” for all and Sn 100%, and
   30µ” Gold Plating.
4. Input Terminal: Nylon66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze SUS430.
   Plating: Nickel 40µ”-60µ” for all and Sn 100%. 

With a forward current of 20mA