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: -40ºC to +85ºC
- Contact Factory for Standard Temp.
- Available in other Circuit Designs
- Optional Gold Plating Thickness
- Other LED Patterns available

**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>Cross Talk (dB Min)</th>
<th>Hi-Pot 1.0 mA (V) Without Capacitance</th>
<th>With Capacitance</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARV11-4041I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-50</td>
<td>1500 AC</td>
<td>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>ARV11-4041I</td>
<td>-1.0</td>
<td>-12-18-16-12-14-12-12-10-30</td>
<td>-30</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**
1. Shield - 0.25mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u Min
2. Housing - Standard Material: 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 40u"-60u" for all and Sn 100%, and
   50u" Gold Plating.
4. Input Terminal - Plastic: PA66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze SUS430.
   Plating: Nickel 40u"-60u" for all and Sn 100%.