10/100 Base-T Ethernet Application
Impedance: 100OHMS
Transmit open circuit inductance (OCL):
(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
Storage temperature range: -40°C to +85°C
Optional Gold Plating Thickness 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 (±3%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARLP11-3647</td>
<td>350</td>
<td>1C:1C (±3%)</td>
<td>0.3-100MHz</td>
<td>30MHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>HI-POT (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARLP11-3647</td>
<td>-38</td>
<td>-40</td>
<td>1500</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**

Dimensions are in mm
1. Shield- 0.25mm THICKNESS BRASS C2680 H. PLATING NICKEL 30u"-50u"
3. RJ Terminal- 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, Glass Filled, UL94V-0, Standard Color Black. Pin: 0.35mm Thickness Phos-Bronze C2680. Plating: Nickel 40u"-60u" for all and Sn 100%.