Single Port Low Profile RJ45

- 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
- Industrial Temp: -40°C to +85°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</th>
<th>Turns Ratio (±3%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARLP11-3647I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>0.3-100MHz</td>
<td>80MHz</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>ARLP11-3647I</td>
<td>30MHz: -38</td>
<td>60MHz: -38</td>
<td>100MHz: 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%.