10/100 Base-T Ethernet Application
Impedance: 100OHMS
Transmit open circuit inductance (OCL): 350uH (MIN) @100KHz
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
Contact Factory for Industrial Temp.
Storage temperature range: -40°C to +85°C

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 (±5%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR24-3634</td>
<td>350 (3-6):(3-6)=1CT:1CT, (1-2):(1-2)</td>
<td>-1.0</td>
<td>-18</td>
<td>-15</td>
</tr>
</tbody>
</table>

Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>HI-POT (VDC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR24-3634</td>
<td>-38</td>
<td>-38</td>
<td>1500</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

MECHANICAL
1. Shield - 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 30u"-50u"
2. Housing - Standard Material Nylon 66, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. RJ Terminal - Plastic: PBT+30% GF UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all Sn 100%, and
   6u" Gold Plating.
4. Contact Pin - Plastic: Nylon 66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C2680.
   Plating: Nickel 40u"-60u" for all Sn 100%.