- 10/100 Base T Ethernet Application
- Single Port USB 2.0
- 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
- 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 (±3%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR1USB1-3713</td>
<td>350</td>
<td>1CT:1CT</td>
<td>1.0</td>
<td>-18 -16 -12</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>AR1USB1-3713</td>
<td>-30</td>
<td>-30</td>
<td>2250</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 30μ"-50μ"

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 40μ"-60μ" for all Sn 100%, and
   15μ" Gold Plating.

4. Contact Pin-
   Plastic: Nylon 66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C2680.
   Plating: Nickel 40μ"-60μ" for all Sn 100%.

1. Shielded-
2. Contact Pin-
3. Input-
4. Output-

NOTES