**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) 1-100MHz</th>
<th>Return Loss (dB Min) 30-60MHz 60-80MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR1USB1-3711</td>
<td>350</td>
<td>1CT:1CT</td>
<td>1.0</td>
<td>-16</td>
</tr>
</tbody>
</table>

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cross Talk (dB Min) 1-100MHz</th>
<th>CMR (dB Min) 1-100MHz</th>
<th>Hi-POT (VDC) 60Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR1USB1-3711</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 30u"~50u"
2. Housing- Standard Material Nylon66, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. Insert Pin-
   Plastic: PBT 30% G.F, UL94V-0, Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"~60u", for all and Sn100%, 6u" and 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 and Sn 100%.
5. USB Pin-
   Plating: Nickel 40u"~60u" for all and Sn 100% and Gold Plating 30u".