10/100 BaseT Gigabit 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</th>
<th>Turns Ratio Chip: cable (±2%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR1USB1-3826</td>
<td>350</td>
<td>1CT:1CT</td>
<td>1.0</td>
<td>-18</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>CDMR (dB Min)</th>
<th>HI-POT (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5-1MHz</td>
<td>10MHz</td>
<td>30MHz</td>
<td>50MHz</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**
1. Shield- 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u" Min
3. Insert Pin- 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 3u" 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%.

USB
1. Shielded- STEEL, 20u"-40u", Nickel Plated Overall 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 Gold Plating