Single Port RJ45 & Single Port USB Combo AR1USB1-3712

- 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>AR1USB1-3712</td>
<td>350</td>
<td>1CT:1CT</td>
<td>1.0</td>
<td>-18</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30-60MHz</td>
<td>-16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60-80MHz</td>
<td>-12</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>AR1USB1-3712</td>
<td>-30</td>
<td>-30</td>
<td>2250</td>
</tr>
</tbody>
</table>

*All specifications subject to change without notice.*

**MECHANICAL**

- Green
- Yellow
- Green
- Yellow

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714-665-1140  ALLIED COMPONENTS INTERNATIONAL  www.alliedcomponents.com

03/05/12
1. Shield- 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 30u"-50u"
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%.