Single Port RJ45 & Single Port USB Combo  AR1USB1-4068

- 10/100 BaseT For Ethernet and other Networking 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</th>
<th>Insertion Loss (dB Max) 1-100MHz</th>
<th>Return Loss (dB Min 100Ω) 1-30MHz 30-60MHz 60-80MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR1USB1-4068</td>
<td>350</td>
<td>1:1</td>
<td>1.0</td>
<td>-18</td>
</tr>
</tbody>
</table>

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<th>Common Mode Rejection (dB Min)</th>
<th>Cross Talk (dB Min)</th>
<th>HiPot Test</th>
</tr>
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<td>1-100MHz</td>
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<td>Input (R2-R3) to Output (C1-C2) : 1500 VAC, 60 Sec or 2250VDC, 60 sec</td>
</tr>
<tr>
<td>-30</td>
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<td>Input (R2-R3) to Output (C1-C2) : 1500 VAC, 60 Sec or 2250VDC, 60 sec</td>
</tr>
</tbody>
</table>

MECHANICAL
1. Shield- 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u" Min.
3. Insert Pin- Plastic: Nylon 66 G.F. UL94V-0, Standard Color Black. Pin: 0.35mm Thickness Phos-Bronze C5210 EH. Plating: Nickel 50u", for all and Sn100%, and gold flash plating in contact area.
5. Contact Pin- Plastic: Nylon 66, Glass Filled, UL94V-0, Standard Color Black. Pin: 0.35mm Thickness Phos-Bronze C2680. Plating: Nickel 30~50u" for all and Sn 100u".