Single Port RJ45 Connector

AR11-4361I

- 10/100 BaseT for LAN and other Ethernet Applications
- Transmit open circuit inductance (OCL): 350µH (MIN) @ 100KHz, 0.1VRMS with 8mA DC Bias
- RJ45 Jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Industrial Temp: -40°C to +85°C

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(µH Min) @ 100KHz, 0.1V</th>
<th>Turns Ratio (±5%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Cross Talk (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>With 8mA DC Bias</td>
<td>chip: cable</td>
<td>1-100MHz</td>
<td>100-125MHz</td>
</tr>
<tr>
<td>AR11-4361I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-1.0</td>
<td>-1.2</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Return Loss (dB Min)</th>
<th>Common Mode Rejection (dB Min)</th>
<th>Hi-Pot Test</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-30MHz 30-60MHz 60-80MHz 80-100MHz 1-100MHz</td>
<td>1mA, 60S</td>
<td>1500Vrms</td>
</tr>
<tr>
<td>AR11-4361I</td>
<td>-18 -16 -12 -10 -30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.
RoHS

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SCHEMATICS

PCB LAYOUT

NOTES

1. Shielded – 0.20mm Thickness Bross C2680 H. Plating Nickel 20u" MN.
3. Contact Pin – Plastic: Nylon 66, Glass Fiber Filled. Polyester UL94V-0 Standard Color Black. Pin: 0.35mm Thickness Phosphor Bronze C5210 EH. Plating: Nickel 30u" ~ 60u" For All And Sn 100%, And Gold Plating 6u".

RECOMMENDED PCB LAYOUT
TOLERANCE ± 0.05mm (T=1.6mm)