Single Port RJ45 Connector AR11-4357I

- 10/100/1000 Base T For Ethernet and other Networking Applications
- Compliant to IEEE802.3
- 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 With 8mA DC Bias</th>
<th>Turns Ratio (±5%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Hi-POT 1mA, 60S</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4357I</td>
<td>350</td>
<td>1:1</td>
<td>1-100MHz: -1.0</td>
<td>1500Vrms</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>100-125MHz: -1.2</td>
<td></td>
</tr>
</tbody>
</table>

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Cross Talk (dB Min)</th>
<th>Return Loss (dB Min)</th>
<th>CMR (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-100 MHz</td>
<td>1-30MHz</td>
<td>1-100 MHz</td>
</tr>
<tr>
<td>-30</td>
<td>-18</td>
<td>-30</td>
</tr>
<tr>
<td></td>
<td>30-60MHz</td>
<td></td>
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<tr>
<td></td>
<td>-16</td>
<td></td>
</tr>
<tr>
<td></td>
<td>60-80MHz</td>
<td>-12</td>
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<tr>
<td></td>
<td>-10</td>
<td>-30</td>
</tr>
<tr>
<td></td>
<td>80-100MHz</td>
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<tr>
<td></td>
<td>-10</td>
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<tr>
<td></td>
<td>1-100 MHz</td>
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<tr>
<td></td>
<td>-10</td>
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</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

Dimensions: mm

- 15.9±0.38
- 21.5±0.38
- 13.6±0.38
- 3.25±0.25
- 11.43
- 2.54
- 10.75
- 8.89
- 2.54±0.25
- 3.05

RoHS
Single Port RJ45 Connector

SCHEMATICS

NOTES

1. Shielded – 0.20mm Thickness Brass C2680 H.
   Plating Nickel 20u"MIN.
2. Housing – Standard Material LCP, Glass Fiber Filled
   Polyester UL94V=0 Standard Color Black.
3. Contact Pin – Plastic: LCP, Glass Fiber Filled
   Polyester UL94V=0 Standard Color Black.
   Pin: 0.35mm Thickness Phosphor Bronze C5210 EH.
   Plating: Nickel 30μ"~60μ" For All And Sn 100%,
   And Gold Plating 30μ".
4. Insert Pin – Plastic: LCP, Glass Fiber Filled
   Polyester UL94V=0 Standard Color Black.
   Pin: 0.35mm Thickness SUS430.
   Plating: Sn All Over 30μ"~60μ" Nickel