Single Port RJ45 Connector

AR11-4349I

- 10/100 Base T For Ethernet and other Networking Applications
- Compliant to IEEE802.3
- 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
- Industrial Temp: -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 TX=1CT:1CT RX=1CT:1CT</th>
<th>Cross Talk (dB Min) 1-30MHz</th>
<th>HI-POT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4349I</td>
<td>350</td>
<td>±3%</td>
<td>-40</td>
<td>1500Vrms</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min) 30-60MHz</th>
<th>CMR (dB Min) 1-50 MHz 50-150 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-100 MHz</td>
<td>1-30MHz</td>
<td>1-50 MHz</td>
</tr>
<tr>
<td>-1.1</td>
<td>-16</td>
<td>50-150 MHz</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**

Front Side View

Left Side View

Bottom Side View

Top Side View

Allied AR11-4349I YYWW

P/N

D/C
SCHEMATICS

PCB LAYOUT

NOTES

1. Meets IEEE 802.3 specification
2. Connector Materials:
   Housing Material: Thermoplastic PBT+30%G. F UL94V-0
   Contact Material: Phosphor Bronze C52100-EH Thickness=0.35mm
   Pins: Brass C26800-H Thickness=0.35mm
   Shield: SUS 201-1/2H Thickness=0.2mm
   Contact plating: Gold 6 micro-inches min. In contact area.
3. Wave solder tip temperature: 265°C Max, 5 Sec Max