10/100 Base-T for LAN and other Ethernet Applications
Designed to meet IEEE802.3
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</th>
<th>Turns Ratio (± 3%) TX/RX</th>
<th>Cross Talk (dB Min) 1-30MHz</th>
<th>Cross Talk (dB Min) 30-60MHz</th>
<th>Cross Talk (dB Min) 60-100MHz</th>
<th>HI-POT (Test) (Vrms Min) With 0.1V 8mA DC Bias</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4283I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-40</td>
<td>-35</td>
<td>-30</td>
<td>1500</td>
</tr>
</tbody>
</table>

Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insertion Loss (dB Max) 1-100MHz</th>
<th>Return Loss (dB Min) 1-30MHz</th>
<th>Return Loss (dB Min) 30-60MHz</th>
<th>Return Loss (dB Min) 60-100MHz</th>
<th>Return Loss (dB Min) 1-50MHz</th>
<th>Return Loss (dB Min) 50-150MHz</th>
<th>CMR (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4283I</td>
<td>-1.0</td>
<td>-18</td>
<td>-15</td>
<td>-12</td>
<td>-30</td>
<td>-20</td>
<td>1.24</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

MECHANICAL

Front Side View

Left Side View

Bottom Side View

Top Side View
NOTES

1. Meets IEEE 802.3 specification
2. Connector Materials:
   Housing Material: Thermoplastic PBT+30%GF UL94V-0
   Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm
   Pins: Brass C2680R-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
SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

(1) Tip Temperature: 265°C max
(2) Tip Temperature time: 5sec max
Note: The melting point of Tin: 219°C