Single Port RJ45 Connector

- 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 With 0.1V 8mA DC Bias</th>
<th>Turns Ratio @ 100kHz, 0.1V</th>
<th>Cross Talk (dB Min) 1-100MHz</th>
<th>HI-POT With 0.1V 8mA DC Bias</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4296I</td>
<td>350</td>
<td>1:1±5%</td>
<td>-30</td>
<td>1mA, 60S</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>30-60MHz</th>
<th>60-100MHz</th>
<th>80-100MHz</th>
<th>1-100MHz</th>
<th>CMR (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4296I</td>
<td>-18</td>
<td>-16</td>
<td>-12</td>
<td>-10</td>
<td>-30</td>
<td>-30</td>
<td>1-100MHz</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**
SCHEMATICS

PCB LAYOUT

NOTES

1. Shielded — 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u"MIN.
2. Housing— Standard Material PA66, Glass Filled
   Polyester UL94V-0 Standed Color Black.
   Pin: 0.35mm Thickness Phos—Bronze C5210 EH.
   Plating: Nickel 30u"~60u" for all and Sn 100%,
   and Gold Plating 15u".
4. Contact Pin— Plastic: PA66 , Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness SUS430.
   Plating: Nickel 30u"~60u" for all and Sn 100%