2X4 8 PORT RJ45 CONNECTOR

AR24-4175I

- 10/100/1000 Base-T for Ethernet Applications
- Industrial Temp: 40°C to +85°C
- Available in other Circuit Designs
- Optional Gold Plating Thickness

**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 (±2%)</th>
<th>Cross Talk (dB Min)</th>
<th>HI-POT 1.0mA (V) without capacitance</th>
<th>HI-POT 1.0mA (V) with capacitance</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR24-4175I</td>
<td>350</td>
<td>1:1</td>
<td>-50</td>
<td>1500</td>
<td>2250</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min) @ Load 100 Ohm</th>
<th>CMR (dB Min)</th>
</tr>
</thead>
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1-100MHz: 100-125 MHz (10/100/100) 1-30MHz: 30-50MHz 30MHz: 0.5-10MHz 60MHz: 60-80MHz 80-100MHz (10/100/1000) 1-100MHz

-1.0 -1.2 -18 -16 -14 -12 -10 -30

All specifications subject to change without notice.

**MECHANICAL**

[Diagram of the 2X4 8 PORT RJ45 CONNECTOR AR24-4175I]
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u Min

2. Housing- Standard Material Nylon66, Glass filled
   Polyester UL94V-0 Standard Color Black.

3. Insert Pin- Plastic: Nylon66, UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all and Sn 100%, and
   30u" Gold Plating.

4. Contact Pin: Plastic Nylon66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C2680.
   Plating: Nickel 40u"-60u" for all and Sn 100%.