2X1 Dual Port RJ45 Connector  AR21-4404I

- 10/100 Base-T for Ethernet Applications
- Industrial Operating Temp: 40ºC to +85ºC
- 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

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>OCL(µH Min) @ 100kHz, 0.1V</th>
<th>Turns Ratio</th>
<th>DC Resistance (Ω Max)</th>
<th>Cross Talk (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>With 8mA DC Bias</td>
<td>1:1 ±3%</td>
<td>1.2</td>
<td>1-30MHz 30-60MHz 60-100MHz</td>
</tr>
<tr>
<td>350</td>
<td></td>
<td></td>
<td>-40 -35 -30</td>
</tr>
</tbody>
</table>

### Electrical Specifications

<table>
<thead>
<tr>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss</th>
<th>Common Mode Rejection (dB Min)</th>
<th>Hipot (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-100 MHz</td>
<td>1-30MHz</td>
<td>30-60MHz</td>
<td>60-100MHz</td>
</tr>
<tr>
<td>-1.0</td>
<td>-18</td>
<td>-15</td>
<td>-12</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%G.F UL94V-0
   Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm
   Pins: Brass C26800-R Thickness=0.35mm
   Shield: Copper alloy Thickness=0.2mm
   Contact plating: Gold 6 micro-inches min. In contact area.
3. Wave solder tip temperature: 265°C Max. 5 Sec Max