SINGLE PORT RJ45  AR11-4370I

- 10/100 Base-T for Ethernet LAN, WAN and other networking applications
- 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
- Industrial Temp: -40°C to +85°C

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>OCL(µH Min) With 8mA DC Bias</th>
<th>Turns Ratio @100kHz, 0.1V (±5%)</th>
<th>Insertion Loss (dB Max) 1-100MHz</th>
<th>Return Loss (dB Min) 1-100MHz</th>
<th>Cross Talk (dB Min) 1-100MHz</th>
<th>CMR (dB Min)</th>
<th>HI-POT 1mA, 60S</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>1:1</td>
<td>-1.0</td>
<td>-18</td>
<td>-16</td>
<td>-12</td>
<td>-10</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**

![Mechanical Diagram]

Allied AR11-4370I YYWW
RoHS

SINGLE PORT RJ45

AR11-4370I

SCHEMATICS

PCB LAYOUT

NOTES

1. Shielded – 0.20mm Thickness Brass C2680 H.
   Plating Nickel 20u" MIN.
   Polyester UL94V-0 Standard Color Block.
3. Contact Pin – Plastic: LCP, Glass Fiber Filled
   Polyester UL94V-0 Standard Color Block.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 30u"~60u" For All And Sn 100%.
   And Gold Plating 50u".
4. Insert Pin – Plastic: LCP, Glass Fiber Filled
   Polyester UL94V-0 Standard Color Block.
   Pin: 0.35mm Thickness SUS430.
   Plating: Sn All Over 30u"~60u" Nickel