10/100 BaseT for Networking, LAN and other Ethernet applications
Compliant to IEEE802.3
Industrial Temp: -40°C to +85°C

**Single Port Vertical Mount RJ45**

**ARV11-4369I**

- **RoHS**

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**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL (µH Min) @ 100kHz, 0.1V</th>
<th>Turns Ratio (chips: cable ±2%)</th>
<th>Cross Talk (dB Min)</th>
<th>Insertion Loss (dB Max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARV11-4369I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-40</td>
<td>-1.0</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Common Mode Rejection (dB Max)</th>
<th>Return Loss (dB Min)</th>
<th>Hi-Pot Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARV11-4369I</td>
<td>1-50MHz: 50-150MHz</td>
<td>1-30MHz: 30-60MHz: 60-100MHz</td>
<td>Min</td>
</tr>
<tr>
<td></td>
<td>-30</td>
<td>-30</td>
<td>1500Vrms</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

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**MECHANICAL**

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SCHEMATIC

PCB LAYOUT

NOTES

1. Connector Materials:
   Housing Material: Thermoplastic PBT+30% G F UL94V-0
   Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm
   Pins: Brass C2680R-H Thickness=0.35mm
   Shield: Copper alloy Brass H65Y Thickness=0.2mm
   Contact plating: Gold 6 micro-inches min. In contact area.

2. Wave solder tip temperature: 265°C Max, 5 Sec Max