Single Port Vertical Mount RJ45  ARV11-4447I

- 10/100/1000 Gigabit Base-T for Ethernet Applications
- RJ45 Jack cavity conforms to FCC rules and regulations part 68, SUB Part F
- Industrial Temp: -40°C to ± 85°C
- DC Resistance: 1.2Ω MAX
- Available in other circuit designs
- Other LED patterns available

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>OCL(µH Min) @100KHz, 0.1V</th>
<th>Turns Ratio @100KHz (±2%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>Hi-Pot VDC</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>1-100MHz</td>
<td>1-30MHz</td>
<td>30-50MHz</td>
<td>60-80MHz</td>
<td>80-100MHz</td>
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<tr>
<td></td>
<td></td>
<td>-1.2</td>
<td>-16</td>
<td>-12</td>
<td>-10</td>
<td>-8</td>
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<tr>
<td>With 8mA DC Bias</td>
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<tr>
<td>350</td>
<td>1CT:1CT</td>
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</table>

All specifications subject to change without notice

### MECHANICAL

![MECHANICAL Diagram]

**Dimensions: (mm)**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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</thead>
<tbody>
<tr>
<td>16.10</td>
<td>16.87</td>
<td>23.15</td>
<td>2.80</td>
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</tbody>
</table>
RoHS

NOTES

1. Connector Material:
   - Housing: PA66 Black UL94 V-0
   - Shield: Brass
   - Shield Plating: Nickel
   - Contact: Phosphor Bronze
   - Contact Plating: Selective Gold, 30 Micro Inches MIN in contact area
2. Pin not electrically connected maybe omitted see electrical drawing for omitted Pins
3. RJ45 cavities conform to FCC rules and regulations part 6B
4. The part is recommended for IR soldering process peak, soldering temperature is 260°C Max, 10 Secs Max