**Single Port RJ45 Connector**

- 10/100 Base-T Ethernet Application
- Impedance: 100OHMS
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Industrial Temp: -40ºC to +85ºC
- Contact Factory for Standard Operating Temp.
- Available in other Circuit Designs
- Suitable for IR Reflow
- Other LED Patterns available

### 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%) chip: cable</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-3806IR</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-1.0</td>
<td>-12</td>
</tr>
</tbody>
</table>

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>CDMR (dB Min)</th>
<th>HI-POT (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5-1MHz</td>
<td>10MHz</td>
<td>50MHz</td>
<td>100MHz</td>
</tr>
<tr>
<td>-50</td>
<td>-40</td>
<td>-35</td>
<td>-30</td>
</tr>
<tr>
<td>0.3-1MHz</td>
<td>10MHz</td>
<td>50MHz</td>
<td>100MHz</td>
</tr>
<tr>
<td>-50</td>
<td>-47</td>
<td>-42</td>
<td>-37</td>
</tr>
<tr>
<td>0.3-1MHz</td>
<td>10MHz</td>
<td>50MHz</td>
<td>100MHz</td>
</tr>
<tr>
<td>-50</td>
<td>-50</td>
<td>-50</td>
<td>-45</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

- Dimensions: 21.5±0.38 mm, 15.9±0.25 mm, 13.6±0.25 mm, 13.26 mm, 10.97 mm
- LED-L and LED-R markings present

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RoHS

15/100 Base-T Ethernet Application
Impedance: 1000OHMS
RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
Industrial Temp: -40ºC to +85ºC
Contact Factory for Standard Operating Temp.
Available in other Circuit Designs
Suitable for IR Reflow
Other LED Patterns available

**REVISED 07/17/15**
**1. Shield—** 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20μ"Min.


Pin: 0.35mm Thickness Phos-Bronze C5210 EH. 
Plating: Nickel 40μ"-60μ" for all and Sn 100%, and 30μ" Gold Plating.

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

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**NOTES**

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