10/100/1000 Base-T Gigabit for Ethernet Applications
- Designed to meet IEEE802.3af standards
- Operating Temp: 0°C to + 70°C
- Contact Factory for possible Industrial Temp version

### 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 (± 5%) chip: cable</th>
<th>Cross Talk (dB Min) 1-100MHz</th>
<th>HI-POT PHY Side to Line Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR21-4159</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-30</td>
<td>1500 VAC</td>
</tr>
</tbody>
</table>

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insertion Loss (dB Max) 1-100MHz</th>
<th>Return Loss (dB Min) @ Load 100 Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR21-4159</td>
<td>-1.0</td>
<td>80-100MHz, 60-80MHz, 40-60MHz, 1-40MHz</td>
</tr>
</tbody>
</table>

**All specifications subject to change without notice.**

### MECHANICAL

**UNIT**: mm

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Green/Yellow 16.30
Green/Yellow 34.29
Green/Yellow 3.43
Green/Yellow 10.80
Green/Yellow 26.42
CONTACT MATERIAL:
HOUSING: THERMOPLASTIC BLACK UL94 V-0
SHIELD: BRASS
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: SELECTIVE GOLD, 15 MICRO INCHES IN CONTACT AREA