10/100 BaseT PoE for Ethernet Applications
RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
Operating Temp: -40°C to +85°C
Storage Temp: -40°C to +85°C

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>OCL(µH Min)</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>
</tr>
</thead>
<tbody>
<tr>
<td>@ 100kHz, 0.1V</td>
<td>With 8mA DC Bias 350</td>
<td>1-100MHz -1.0 1-30MHz -18 30-60MHz -13.5 60-80MHz -12 10MHz -50 30MHz -40 50MHz -35 100MHz -30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>CMR (dB Min)</th>
<th>CDMR (dB Min)</th>
<th>DC Resistance (Ω Max)</th>
<th>Isolation Phy Side to Line Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>10MHz</td>
<td>30MHz</td>
<td>60MHz</td>
<td>100MHz</td>
</tr>
<tr>
<td>-47</td>
<td>-42</td>
<td>-37</td>
<td>-30</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**

Dimensions: mm

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Operating Temp: -40°C to +85°C
Storage Temp: -40°C to +85°C
1. **CONNECTOR MATERIAL:**
   - HOUSING: THERMOPLASTIC BLACK UL94V-0
   - HOUSING: THERMOPLASTIC BLACK UL94V-0
   - HOUSING: THERMOPLASTIC BLACK UL94V-0
   - CONTACT: PHOSPHOR BRONZE
   - CONTACT PLATING: NICKEL
   - CONTACT PLATING: SELECTIVE GOLD, 6µ" MIN IN CONTACT AREA

2. **PIN NOT ELECTRICALLY CONNECTED MAY BE OMITTED. SEE SCHEMATIC FOR OMITTED PINS**

3. **THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS. PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SEC MAX**