● 10G for Ethernet Applications
● Operating Temp: 0°C to +70°C
● Storage Temp: -40°C to +85°C
● RJ45 Jack cavity conforms to FCC rules and regulations Part 68

**Electrical Specifications @25°C**

<table>
<thead>
<tr>
<th>OCL (160µH Min) @100kHz, 100mV</th>
<th>Turns Ratio</th>
<th>Hi-Pot @60 Sec</th>
<th>Insertion Loss (dB Max)</th>
<th>Cross Talk (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00±2% 2250VDC Min</td>
<td></td>
<td></td>
<td>100 MHz: -3.0</td>
<td>1-100MHz: -28</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1-400 MHz: -2.0 (-1.4dB TYP)</td>
<td>100-500MHz: -19</td>
</tr>
</tbody>
</table>

**Electrical Specifications @25°C**

<table>
<thead>
<tr>
<th>Return Loss (Z OUT=100 Ω±1%)</th>
<th>Common Mode Rejection Ratio (dB Min)</th>
<th>Common to Differential Mode Rejection (CDMR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-40MHz: -16dB Min</td>
<td>40-100MHz: -28</td>
<td>1-250MHz: -30</td>
</tr>
<tr>
<td>-16+10LOG(f/40)dB</td>
<td>400-500MHz: -26</td>
<td>250-500MHz: -22</td>
</tr>
<tr>
<td>-30</td>
<td>-26</td>
<td></td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**

UNIT: mm / inch

A = 17.53 / 0.689
B = 11.92 / 0.485
C = 26.57 / 1.045
D = 3.18 / 0.125

Unless otherwise specified, all dimensions tolerances is ±0.254 / 0.010.
1. Connector Material:
   - Housing: Thermoplastic Black UL 94 V-0
   - Shield: Brass
   - Shield Plating: Nickel
   - Contact: Phosphor Bronze
   - Contact Plating: Selective Gold, 50 Micro-Inches Min in contact area
2. Pin not Electrically connected maybe omitted see electrical drawing for omitted Pins.
3. The part is recommended for wave soldering process peak soldering Temperature is 260°C Max, 10 Secs Max

NOTES