**Electrical Specifications at 25°C**

<table>
<thead>
<tr>
<th>Insertion Loss (dB)</th>
<th>Return Loss (dB) min</th>
<th>Common Mode Rejection (dB typ)</th>
<th>Maximum (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-125MHz</td>
<td>1-150MHz</td>
<td>1-100MHz</td>
<td>1-100MHz</td>
</tr>
<tr>
<td>-12</td>
<td>-15</td>
<td>-30</td>
<td>1500/50mA or 22000C/0.1mA</td>
</tr>
</tbody>
</table>

**Electrical**
- RJ45 with internal Magnetics Connector
- Designed to support such applications as: Ethernet, Equipment Complex, Switches, Routers, Firewalls, Servers and Hub
- Internal matics are 100% electrically tested for functionality per IEC68-2-3 requirement
- RoHS peak wave solder temperature rating 235°C
- High performance for maximum EMI suppression
- 350uH minimum OCL with 8mA bias current

**Mechanical**
- Jack cavity conforms to FCC RULES AND REGULATIONS, PART 68, SUBPART F.
- Insertion Force: 8 Contacts—900g, 10 Contacts—1050g
- Retention Strength: 7.0Kg between jack and plug
- Durability: 750 mating cycles +/-

**Material**
- Housing: 1) Glass filled PA66 (UL 94V-0)
  2) Glass filled PA66/PA67/PA77/CFR265+ (UL 94V-0)
  3) Glass filled PBT/PA65/PC (UL 94V-0)
- Spring wire: 0.25-0.35mm thickness phosphor bronze alloy selective gold plated over nickel (50-80um) over tin (60-120um)
- Gold plating: 3um, 5um, 15um, 30um, 50um
- Shielding: 0.2-0.24mm thickness copper alloy with nickel (50-100um) plated
- Storage: -40°C to 85°C Relative Humidity 70%
- Operating: 0°C to 70°C