Features
- Complies with IEEE 802.3 standard specifications including 350 μH with 8 mA DC bias
- Minimum interwinding breakdown voltage of 1500 Vrms
- RoHS compliant
- Single port shielded RJ45 with dual USB
- Integrated magnetics design provides higher reliability and conserves board space

PT44240N1D - Dual USB/RJ45, 10/100 Base-Tx

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss</td>
<td>1-100 MHz: -1.0 dB max.</td>
</tr>
<tr>
<td>Return Loss (TX/RX)</td>
<td>1-30 MHz: -20/-20 dB min.</td>
</tr>
<tr>
<td></td>
<td>30-60 MHz: -15/-17 dB min.</td>
</tr>
<tr>
<td></td>
<td>60-80 MHz: -11/-15 dB min.</td>
</tr>
<tr>
<td>Crosstalk</td>
<td>1-100 MHz: -30 dB min.</td>
</tr>
<tr>
<td>CMRF</td>
<td>1-100 MHz: -30 dB min.</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 °C to +70 °C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 °C to +85 °C</td>
</tr>
</tbody>
</table>

Physical Specifications

- Metal Shielding: Nickel-plated copper alloy
- Contact: Phosphor bronze, 6 μ-inch gold-flashed, unless otherwise specified
- Housing: Thermoplastic PBT UL94V0 rated

Packaging Specifications

- 240 pcs./tray

How to Order

Model: PT44240N1D

Typical Part Marking

Electrical Schematic

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Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.