Surface Mount Common Mode Chokes

Suited for LAN and Telecom Applications

- Reduces radiated EMI emissions
- Filters common mode noise for EMI reduction
- Common mode attenuation from 100 kHz to 1 GHz
- RoHS peak reflow solder temperature rating 245°C

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Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>No. of Ports</th>
<th>Primary Inductance (μH MIN)</th>
<th>Common Mode Attenuation (dB TYP)</th>
<th>DCR (Ω MAX)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>100 KHz</td>
<td>1 MHz</td>
<td>10 MHz</td>
</tr>
<tr>
<td>PE-68624NL</td>
<td>1</td>
<td>47</td>
<td>11</td>
<td>27</td>
</tr>
<tr>
<td>PE-65855NL</td>
<td>1</td>
<td>4700</td>
<td>41</td>
<td>43</td>
</tr>
<tr>
<td>PE-65857NL</td>
<td>4</td>
<td>22.5</td>
<td>7</td>
<td>20</td>
</tr>
<tr>
<td>PE-68627NL</td>
<td>4</td>
<td>24</td>
<td>8</td>
<td>21</td>
</tr>
<tr>
<td>PE-65854NL</td>
<td>4</td>
<td>47</td>
<td>3</td>
<td>19</td>
</tr>
<tr>
<td>PE-67540NL</td>
<td>4</td>
<td>100</td>
<td>14</td>
<td>33</td>
</tr>
<tr>
<td>T8008NL</td>
<td>8</td>
<td>47</td>
<td>7</td>
<td>27</td>
</tr>
</tbody>
</table>

Notes:
1. For Tape & Reel packaging, add suffix “T” to the end of the part number e.g. T8008NL T
2. MSL = Moisture Sensitivity Level a=1   b=2   c=3   d=4

Mechanical

Schematic

Weight .................. 0.17 grams
Tape & Reel ............ 1500/reel
Tube ....................... 85/tray
Dimensions:  inches   mm

Unless otherwise specified, all tolerances are ± 0.010 / 0.25
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**PE-65854NL**

- **Dimensions:**
  - **Inches:**
  - **mm:**
  - Unless otherwise specified, all tolerances are ±0.10/0.25

**Schematics**

- Weight: 0.3 grams
- Tape & Reel: 1500/reel
- Tube: 60/tray

**PE-65855NL**

- **Dimensions:**
  - **Inches:**
  - **mm:**
  - Unless otherwise specified, all tolerances are ±0.10/0.25

**Schematics**

- Weight: 0.69 grams
- Tape & Reel: 800/reel
- Tube: 40/tray

**PE-65857NL, PE-67540NL**

- **Dimensions:**
  - **Inches:**
  - **mm:**
  - Unless otherwise specified, all tolerances are ±0.10/0.25

**Schematics**

- Weight: 2.0 grams
- Tape & Reel: 250/reel
- Tube: 40/tray

**PE-68627NL**

- **Dimensions:**
  - **Inches:**
  - **mm:**
  - Unless otherwise specified, all tolerances are ±0.10/0.25

**Schematics**

- Weight: 0.3 grams
- Tape & Reel: 1500/reel
- Tube: 55/tray

Networking.PulseElectronics.com
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T8008NL

Common Mode Test Circuit for Surface Mount and Through Hole

Test Notes:
1. Network analyzer calibrated to compensate for 50 Ω resistors.
2. All windings on a core are connected in parallel for the test.
3. For multi-core chokes, test data is for one core only. The windings on the other core(s) are left unconnected (i.e. open).

For More Information:
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