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

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>No. of Ports</th>
<th>Primary Inductance OCL (μH MIN)</th>
<th>100 KHz</th>
<th>1 MHz</th>
<th>10 MHz</th>
<th>30 MHz</th>
<th>50 MHz</th>
<th>100 MHz</th>
<th>300 MHz</th>
<th>500 MHz</th>
<th>1 GHz</th>
<th>DCR (Ω MAX)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-68624NL</td>
<td>1</td>
<td>47</td>
<td>11</td>
<td>27</td>
<td>40</td>
<td>44</td>
<td>42</td>
<td>36</td>
<td>26</td>
<td>17</td>
<td>-</td>
<td>0.40</td>
</tr>
<tr>
<td>PE-65855NL</td>
<td>1</td>
<td>4700</td>
<td>41</td>
<td>43</td>
<td>49</td>
<td>39</td>
<td>34</td>
<td>26</td>
<td>20</td>
<td>20</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>PE-65957NL</td>
<td>4</td>
<td>22.5</td>
<td>7</td>
<td>20</td>
<td>30</td>
<td>37</td>
<td>38</td>
<td>34</td>
<td>24</td>
<td>13</td>
<td>-</td>
<td>0.22</td>
</tr>
<tr>
<td>PE-68627NL</td>
<td>4</td>
<td>24</td>
<td>8</td>
<td>21</td>
<td>32</td>
<td>32</td>
<td>36</td>
<td>36</td>
<td>30</td>
<td>20</td>
<td>-</td>
<td>0.25</td>
</tr>
<tr>
<td>PE-65954NL</td>
<td>4</td>
<td>47</td>
<td>3</td>
<td>19</td>
<td>32</td>
<td>36</td>
<td>35</td>
<td>29</td>
<td>12</td>
<td>6</td>
<td>-</td>
<td>0.40</td>
</tr>
<tr>
<td>PE-67540NL</td>
<td>4</td>
<td>100</td>
<td>14</td>
<td>33</td>
<td>44</td>
<td>48</td>
<td>49</td>
<td>44</td>
<td>34</td>
<td>29</td>
<td>20</td>
<td>0.60</td>
</tr>
<tr>
<td>T8008NL</td>
<td>8</td>
<td>47</td>
<td>7</td>
<td>27</td>
<td>40</td>
<td>44</td>
<td>42</td>
<td>36</td>
<td>26</td>
<td>-</td>
<td>-</td>
<td>0.40</td>
</tr>
</tbody>
</table>

Notes:
1. For Tape & Reel packaging, add suffix “T” to the end of the part number e.g. T8008NL
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: 85/tray
- mm: 85/tray

Unless otherwise specified, all tolerances are ± 0.025 mm
Surface Mount
Common Mode Chokes
Suited for LAN and Telecom Applications

PE-65854NL

Mechanicals

Schematics

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

Dimensions:
Inches
mm

Unless otherwise specified,
all tolerances are ± 0.25

PE-65855NL

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

Dimensions:
Inches
mm

Unless otherwise specified,
all tolerances are ± 0.25

PE-65857NL, PE-67540NL

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

Dimensions:
Inches
mm

Unless otherwise specified,
all tolerances are ± 0.25

PE-68627NL

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

Dimensions:
Inches
mm

Unless otherwise specified,
all tolerances are ± 0.25
Surface Mount Common Mode Chokes
Suited for LAN and Telecom Applications

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

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2012, Pulse Electronics, Inc. All rights reserved.