Low Profile Mini Spring™ Inductors

**Part number**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Turns</th>
<th>L² (nH)</th>
<th>% tol</th>
<th>Q²</th>
<th>SRF min</th>
<th>DCR max</th>
<th>Irms</th>
<th>Wt</th>
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</thead>
<tbody>
<tr>
<td>1508-5N5_L_</td>
<td>3</td>
<td>5.5</td>
<td>5.2</td>
<td>115</td>
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<td>3.4</td>
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<td>110</td>
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<td>4.0</td>
<td>110</td>
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<td>7.9</td>
<td>4.0</td>
<td>147</td>
</tr>
</tbody>
</table>

1. Specify **tolerance**, **termination** and **packaging** codes:

- **Tolerance**: G = 2%  J = 5%
- **Termination**: L = RoHS compliant tin-silver (96.5/3.5) over copper.
- **Special order**: T = RoHS tin-silver-copper (95.5/4/0.5) or S = non-RoHS tin-lead (63/37).
- **Packaging**: C = 7” machine-ready reel. EIA-481 embossed plastic tape (1000 parts per full reel).
- **B** = Less than full reel. In tape, but not machine ready.
- **D** = 13” machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (3500 parts per full reel).

2. L and Q measured at 250 MHz, 0.1 Vrms, 0 A using an Agilent/HP 4291A impedance analyzer with an Agilent/HP 16193A test fixture.
3. Tolerances in bold are stocked for immediate shipment.
4. SRF measured using an Agilent/HP 8753 network analyzer and a Coilcraft SMD-D test fixture.
5. DCR measured using a micro-ohmmeter.
6. Current that causes a 15°C temperature rise from 25°C ambient.
7. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.
Low Profile Mini Spring™ Inductors

Typical L vs Frequency

Typical Q vs Frequency

Irms Derating

Recommended Land Patterns

Strip Length

Dimensions are in inches [mm]