

**Temperature Stable (1008 size) Surface Mount Inductors**

**Physical Parameters**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.095 to 0.115</td>
<td>2.41 to 2.92</td>
</tr>
<tr>
<td>B</td>
<td>0.085 to 0.105</td>
<td>2.16 to 2.66</td>
</tr>
<tr>
<td>C</td>
<td>0.075 to 0.095</td>
<td>1.91 to 2.41</td>
</tr>
<tr>
<td>D</td>
<td>0.010 to 0.030</td>
<td>0.26 to 0.76</td>
</tr>
<tr>
<td>E</td>
<td>0.040 to 0.060</td>
<td>1.02 to 1.52</td>
</tr>
<tr>
<td>F</td>
<td>0.060 (Ref. only)</td>
<td>1.52 (Ref. only)</td>
</tr>
<tr>
<td>G</td>
<td>0.045 (Ref. only)</td>
<td>1.14 (Ref. only)</td>
</tr>
</tbody>
</table>

Dimensions "A" and "C" are over terminals.

**Weight Max.** (Grams) 0.1

**Operating Temperature Range** -55°C to +125°C

**Current Rating at 90°C Ambient** 35°C Rise

**Maximum Power Dissipation at 90°C** 0.208 W

**Note** For applications requiring improved characteristics over typical ferrite core inductors of the same size. See 1008 Series for values lower than 0.12µH.

**Marking** Delevan; dash number; date code (YYWWL).

Example: 4302-272K DELEVAN 272 1822B

**Packaging** Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

*Made In the U.S.A.*

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**Optional Tolerances:**  J = 5%  H = 3%  G = 2%  F = 1%

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com

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**For more detailed graphs, contact factory**

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**INDUCTANCE CHANGE vs. TEMPERATURE**

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**Delevan**

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