## Shielded Surface Mount Power Inductors

### Physical Parameters

<table>
<thead>
<tr>
<th></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>0.0755 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.

### Operating Temperature Range

-55°C to +125°C

### Current Rating at 90°C Ambient

35°C Rise

### Inductance

Measured at 1V with no DC current

### Incremental Current

The current at which the inductance will be decreased by a maximum of 5% from its initial 0 ADC value.

### Marking

Delevan; dash number followed by SP; date code (YYWW). Note: An R before the date code indicates a RoHS component.

Example: SP1008-104K

DELEVAN

104 SP

1825A

### Packaging

Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.
Coupling 5% Typical (Ref. M83446, 1mm spacing)

*Made In the U.S.A.*

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### Typical Inductance Change vs. Current

![Typical Inductance Change vs. Current](image)

- 271K
- 102K
- 103K
- 104K

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### Optional Tolerances:

- J = 5%
- H = 3%
- G = 2%

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

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)