**SERIES**

**MIL2510**

Unshielded Surface Mount Inductors

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### Physical Parameters

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.235 to 0.255</td>
</tr>
<tr>
<td>B</td>
<td>0.085 to 0.105</td>
</tr>
<tr>
<td>C</td>
<td>0.090 to 0.110</td>
</tr>
<tr>
<td>D</td>
<td>0.060 to 0.080</td>
</tr>
<tr>
<td>E</td>
<td>0.035 to 0.055</td>
</tr>
<tr>
<td>F</td>
<td>0.100 (Ref. only)</td>
</tr>
<tr>
<td>G</td>
<td>0.059 (Ref. only)</td>
</tr>
</tbody>
</table>

Dimensions “A” and “C” are over terminals.

### Weight Max. (Grams)

- Phenolic: 0.19
- Iron & Ferrite: 0.22

### Operating Temperature Range

- Phenolic: -55°C to +125°C
- Iron & Ferrite: -55°C to +105°C

### Current Rating at 90°C Ambient

- Phenolic: 35°C Rise
- Iron & Ferrite: 15°C Rise

### Maximum Power Dissipation at 90°C Ambient

- Phenolic: 0.145 W
- Iron & Ferrite: 0.062 W

### Marking

- API/SMD: inductance with units and tolerance; date code (YYWWL) followed by an M.
- Example: MIL2510-26K
  - API/SMD
  - 1.2uH±10%
  - 0851A M

### Packaging

- Tape & reel (12mm): 7" reel, 750 pieces max.; 13" reel, 2700 pieces max.

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**M83446/28**—SERIES MIL 2510 PHENOLIC CORE

<table>
<thead>
<tr>
<th>Q MINIMUM</th>
<th>SRF MINIMUM (MHz)</th>
<th>DC RESISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>-00K</td>
<td>-10K</td>
<td>-12K</td>
</tr>
<tr>
<td>0.145</td>
<td>4.80</td>
<td>0.32</td>
</tr>
<tr>
<td>150°C</td>
<td>140.00</td>
<td>0.59</td>
</tr>
<tr>
<td>90°C</td>
<td>50.00</td>
<td>0.63</td>
</tr>
</tbody>
</table>

**M83446/29**—SERIES MIL 2510 IRON CORE

<table>
<thead>
<tr>
<th>Q MINIMUM</th>
<th>SRF MINIMUM (MHz)</th>
<th>DC RESISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>-18K</td>
<td>-32K</td>
<td>-34K</td>
</tr>
<tr>
<td>0.19</td>
<td>12.00</td>
<td>0.79</td>
</tr>
<tr>
<td>500</td>
<td>500.00</td>
<td>8.5</td>
</tr>
</tbody>
</table>

**M83446/30**—SERIES MIL 2510 FERRITE CORE

### Made In the U.S.A.

**Parts listed above are QPL/MIL qualified**

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

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

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