SERIES S0603
Hi-Rel Surface Mount Chip Inductors

Electrical Characteristics

<table>
<thead>
<tr>
<th>Core Material / Termination</th>
<th>Dielectric Withstanding Voltage (DWV)</th>
<th>Operating Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.028 - 0.035</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>B</td>
<td>0.058 - 0.062</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>0.040 Max.</td>
<td></td>
</tr>
</tbody>
</table>

Screening Level

- MIL-STD-981
- H (± 3%)
- G (± 2%)
- F (± 1%)

S0603 Test Plan Advantages

- Provides multiple screening alternatives
- Eliminates necessity for SCD’s
- Provides quicker delivery
- Reduces overall costs

S0603 Test Plan Options

- Inductor Series
- Inductance Value
- Inductance Tolerance
- Termination Finish
- Test Plan Screening

How To Order:

(A) Inductor Series
(B) Value
(C) Inductance Tolerance
(D) Termination Finish
(E) Test Plan Screening

<table>
<thead>
<tr>
<th>Ordering Option Code</th>
<th>S</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>S0603</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>101N</td>
<td>(A)</td>
<td>(B)</td>
<td>(C)</td>
<td>(D)</td>
</tr>
</tbody>
</table>

Inductance Tolerance Options H (± 3%), G (± 2%), F (± 1%)

Destructive Test Units Required

Continually monitor continuity during the entire final cycle to verify no intermittent conditions.
S0603: Hi-Rel Surface Mount Chip Inductors

Suggested Land Patterns

<table>
<thead>
<tr>
<th>Delevan Series</th>
<th>G (inches)</th>
<th>H (inches)</th>
<th>I (inches)</th>
<th>G (mm)</th>
<th>H (mm)</th>
<th>I (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S0603 Series</td>
<td>0.040</td>
<td>0.025</td>
<td>0.025</td>
<td>1.016</td>
<td>0.635</td>
<td>0.635</td>
</tr>
</tbody>
</table>

S-Parameters (Typical)

All product specifications and data contained herein are subject to change without notice to improve reliability, function, performance, design or otherwise.