MILS1812R
MILS1812

Shielded Surface Mount Inductors

Military QPL Approvals
M83446/40
* Suffix F: Tin/Lead Termination
* Suffix P: Tin Termination

Physical Parameters

<table>
<thead>
<tr>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.166 to 0.190</td>
</tr>
<tr>
<td>B</td>
<td>0.118 to 0.134</td>
</tr>
<tr>
<td>C</td>
<td>0.118 to 0.134</td>
</tr>
<tr>
<td>D</td>
<td>0.015 Min.</td>
</tr>
<tr>
<td>E</td>
<td>0.054 to 0.078</td>
</tr>
<tr>
<td>F</td>
<td>0.118 (Ref only)</td>
</tr>
<tr>
<td>G</td>
<td>0.066 (Ref only)</td>
</tr>
</tbody>
</table>

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

Weight Max. (Grams) 0.15

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

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.278 W

**Note: Self Resonant Frequency (SRF) values are calculated and for reference only.

Marking: API/SMD: inductance with units and tolerance followed by an S; date code (YYWW) followed by an M. Note: An R before the date code indicates a RoHS component.

Example: MILS1812-153K
API/SMD
15uH±10%S
0850A M

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

Packaging
Tape & reel (12mm): 7” reel, 650 pieces max.; 13” reel, 2500 pieces max.

* Termination Finish Options

MILS1812 - 101K = M83446/30F (Tin/Lead)
MILS1812R - 101K = M83446/13P (Pb free)