Features
■ Available in E12 series
■ Small design of only 7.8 mm max. diameter
■ RoHS compliant*

Applications
■ Input/output of DC/DC converters
■ Power supplies for:
  - Portable communications equipment
  - Camcorders
  - LCD TVs
  - CD players

SDR0805 Series - SMD Power Inductors

Test Frequency ............................... 1 KHz
Test Voltage ........................................ 1 V
Reflow Soldering .... 230 °C, 50 sec. max.
Operating Temperature …-40 °C to +125 °C
(Temperature rise included)
Storage Temperature ... -40 °C to +125 °C
Resistance to Soldering Heat
........................................+260 °C for 5 sec.
Moisture Sensitivity Level .......................1
................... N/A

Materials
Core ................................. Ferrite DR
Wire .............................. Enameled copper
Base .............................. DAP
Terminal ...................................... Ag/Ni/Sn
Rated Current ..Ind. drop 10 % typ. at Isat
Temp. Rise.........40 °C max. at rated Irms
Packaging .................... 1000 pcs. per reel

Product Dimensions

Recommended Layout

Typical Part Marking

Specifications are subject to change without notice. Users should verify actual device performance in their specific
applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the

WARNING  Cancer and Reproductive Harm
www.P65Warnings.ca.gov
SDR0805 Series - SMD Power Inductors

Packaging Specifications

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>330</td>
<td>DIA.</td>
</tr>
<tr>
<td>21 ± 0.8</td>
<td>0.81 ± 0.03</td>
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<tr>
<td>13.0 ± 0.5</td>
<td>0.512 ± 0.020</td>
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<tr>
<td>2.0 ± 0.5</td>
<td>0.81 ± 0.03</td>
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<tr>
<td>22.4</td>
<td>0.883</td>
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<tr>
<td>18</td>
<td>(0.709)</td>
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<tr>
<td>16</td>
<td>(0.63)</td>
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<tr>
<td>4</td>
<td>(0.157)</td>
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<tr>
<td>6.2</td>
<td>(0.244)</td>
</tr>
<tr>
<td>25</td>
<td>(0.14)</td>
</tr>
</tbody>
</table>

Materials

Paper
Plastics

Strength of Cover Tape

The force for tearing off cover tape is 10 to 130 grams in the arrow direction.

BOURNS

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REV. 04/18
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