Features

- Available in E6 values
- Current rating to 4.8 amps
- Mounting height 4.8 mm maximum
- RoHS compliant*

Applications

- Input/output of DC/DC converters
- Power supplies for:
  - Portable communication equipment
  - Camcorders
  - LCD TVs

SDR1045 Series - SMD Power Inductors

Electrical Specifications

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance 100 kHz (μH)</th>
<th>Tol. %</th>
<th>Q Typ.</th>
<th>Test Frequency (MHz)</th>
<th>SRF Min. (MHz)</th>
<th>RDC Max. (Ω)</th>
<th>I rms Max. (A)</th>
<th>I sat Typ. (A)</th>
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<tr>
<td>SDR1045-2R7M</td>
<td>2.7 ± 20</td>
<td>25</td>
<td>7.96</td>
<td>68.7</td>
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General Specifications

- Test Voltage: 0.1 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
- Moisture Sensitivity Level: 1

Materials

- Core: Ferrite DR
- Wire: Enamelled copper wire 130
- Terminal: Cu/Sn
- Rated Current: Ind. drop 10 % typ. at Isat,
- Temperature Rise: 40 °C max. at rated Irms

Packaging: 700 pcs. per reel

Electrical Schematic

Recommended Layout

WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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