March, 2008

Bourns Manufacturers Representatives
Corporate Distributor Product Managers
Americas Sales Team
Asia Sales Team
Europe Sales Team
Bourns Internal
Bourns Plant Managers

Change to MOQ, Multiple, Width of Tape and Size of Reel for Bourns® Model SDR0302 Inductor

As of April 1, 2008, the Minimum Order Quantity (MOQ) and Multiple for Model SDR0302 will be increased to 2000 pieces. Inductors will be packaged 2000 pieces per 13-inch reel on a tape of 12-mm width. Until April 1, packaging will continue to be 1000 pieces per 7-inch reel on tape of 8-mm width. Orders placed on or after April 1, 2008 will have an MOQ of 2000 pieces.

Details of the packaging dimensions may be found on the attached updated specification (preliminary version). As of April 1, this specification will be posted on Bourns website at www.bourns.com.
### Features
- Available in E12 series
- Low profile of only 2.5 mm
- Low inductance values
- RoHS compliant*

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

### SDR0302 Series - SMD Power Inductors

#### Electrical Specifications

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance 1kHz (µH)</th>
<th>Q Ref.</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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<td>1.0 ± 20</td>
<td>20</td>
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#### General Specifications
- 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
- Core: Ferrite DR
- Wire: Enamelled copper wire 130
- Terminal: Ag/Ni/Sn
- Rated Current: Ind. drop 10 % typ. at Isat
- Temperature Rise: 40 °C max. at rated Irms
- Packaging: 2000 pcs. per reel

#### Materials
- Core: Ferrite DR
- Wire: Enamelled copper wire 130
- Terminal: Ag/Ni/Sn

#### Typical Part Marking

![Typical Part Marking](image)

![Electrical Schematic](image)

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.
Packaging Specifications

Dimensions: MM (INCHES)

QTY: 2000 PCS. PER REEL

REV. 03/08
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Customers should verify actual device performance in their specific applications.