### General Specifications

- **Test Voltage**: 1 V
- **Reflow Soldering**: 250 °C, 10 sec. max. (In compliance with JEDEC, J-STD-020C, Table 4-2)
- **Operating Temperature**: −40 °C to +125 °C (Temperature rise included)
- **Storage Temperature**: −40 °C to +125 °C
- **Resistance to Soldering Heat**: 250 °C, 10 sec. max.
- **Misture Sensitivity Level**: 1 ESD Classification (HBM)
- **N/A**

### Materials

- **Core**: Ferrite DR & RI core
- **Wire**: Enamelled copper
- **Base**: Cu/Ni/Sn
- **Terminal**: DAP
- **Rated Current**: Ind. drop of 10% typ. at lsat
- **Temperature Rise**: 40 °C max. at rated Ims
- **Packaging**: 600 pcs. per reel

### Product Dimensions

![Product Dimensions Diagram]

### Recommended Layout

![Recommended Layout Diagram]

**Dimensions:** MM (INCHES)

**Recommended Layout**

**WARNING**

- **Cancer and Reproductive Harm**: www.P65Warnings.ca.gov
- **RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. 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 last page of this document, and at www.bourns.com/docs/legal disclaimer.pdf.
Core Loss vs. Flux Density

<table>
<thead>
<tr>
<th>Flux Density Bp-p (gauss)</th>
<th>Core Loss (mW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MHz</td>
<td>800 kHz</td>
</tr>
<tr>
<td>500 kHz</td>
<td>400 kHz</td>
</tr>
<tr>
<td>300 kHz</td>
<td>200 kHz</td>
</tr>
<tr>
<td>100 kHz</td>
<td></td>
</tr>
</tbody>
</table>

Soldering Profile

Peak Temperature: 245 °C max.
Max. Peak Temperature -5 °C: 30 sec. max.
Max. Time Above 217 °C: 60-150 sec. max.

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Packaging Specifications

Dimensions:

- 26 (1.02)
- 108 (4.25)
- 50.0 (1.969)
- 330 (12.99)
- 21.0 ± 0.8 (0.827 ± 0.031)
- 13.0 ± 0.5 (0.512 ± 0.020)

- 30.4 (1.20)
- 2.0 ± 0.5 (0.079 ± 0.020)
- 0.10 (0.004) MAX

User direction of feed:

QTY: 600 PCS. PER REEL

REV. 05/19

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