**Features**
- Height of 3.0 mm max.
- Current rating up to 3.4 A
- RoHS compliant*

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

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**Temperature (°C)**
- 25
- 75
- 125
- 175
- 225
- 275

**Time (seconds)**
- 120 - 150 seconds
- 60 - 90 seconds

**Ramp Down**
- 6°C/second maximum

**Ramp Up**
- 3°C/second maximum

- 10 seconds minimum

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**General Specifications**
- Test Voltage: 0.1 V
- Reflow Soldering: 230 °C, 50 sec. max.
- Operating Temp.: -40 °C to +125 °C (Temperature rise included)
- Storage Temperature: -40 °C to +125 °C
- Moisture Sensitivity Level: 1
- ESD Classification (HBM): N/A

**Materials**
- Core: Ferrite
- Wire: Enameled copper
- Adhesive: Epoxy resin
- Terminal: Ag/Ni/Sn

**Rated Current**
- Ind. drop 35% typ. at Isat
- Temperature Rise: 30 °C typ. at rated Irms

**Packaging**
- 500 pcs. per reel

**Recommended Layout**

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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](http://www.bourns.com/docs/legal/disclaimer.pdf).

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**WARNING** Cancer and Reproductive Harm
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
SRR6028 Series - Shielded SMD Power Inductors

Inductance vs. Current

- Inductance (μH)
  - 100
  - 102
  - 103
  - 104
  - 105
  - 106
- DC Current (mA)
  - 0
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10

Electrical Schematic

Packaging Specifications

- Dimensions: MM (INCHES)
- QTY: 500 PCS. PER REEL

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