**Features**
- Available in E6 series
- Unit height of 4.8 mm
- Current up to 7.8 A
- RoHS compliant*

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

**General Specifications**
- Test Voltage .......................................1 V
- Relfow 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 10 sec.
- Moisture Sensitivity Level ................. 1
  ESD Classification (HBM) ................. N/A

**Materials**
- Core.................................................Ferrite DR and RI core
- Wire ..................................................Enameled copper
- Terminal ..............................................Ag/Ni/Sn
- Rated Current .....................................Ind. drop 35 % typ. at Isat
- Temperature Rise .............................. 30 °C max. at rated Irms
- Packaging .........................................600 pcs. per reel

**Product Dimensions**
- DIMENSIONS: ...................................
  - REF. (INCHES)
  - REF. (INCHES)
  - REF. (INCHES)

**Recommended Layout**
- 1.8 (0.071) REF.
- 2.7 (0.106) REF.
- 3.4 (0.134) TYP.
- 3.4 (1.34) TYP.

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**Warning**
Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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SRU1048 Series - Shielded SMD Power Inductors

Electrical Schematic

Inductor Connection

Packaging Specifications

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