

BOURNS®

Features

- Available in E6 series
- Unit height of 1.8 mm
- Current up to 2.8 A
- Lead free
- RoHS compliant*

Applications

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

SRU5018 Series - Shielded SMD Power Inductors

Electrical Specifications

Bourns Part No.	Inductance (μ H)	100 KHz Tol. %	Q Ref.	Test Frequency	SRF Min.	RDC (m Ω)	I rms	I sat
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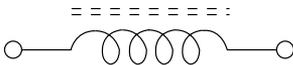
General Specifications

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
 Resistance to Soldering Heat
260 °C for 10 sec.

Materials

Core.....Ferrite DR and RI core
 WireEnameled copper
 BaseLCP E4008
 TerminalAg/Ni/Sn
 Rated Current
Ind. drop 35 % typ. at Isat
 Temperature Rise
30 °C max. at rated Irms
 Packaging.....1000 pcs. per reel

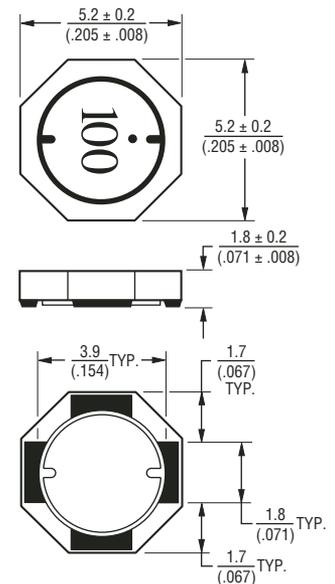
Electrical Schematic



Inductor Connection

Recommended Layout

Product Dimensions

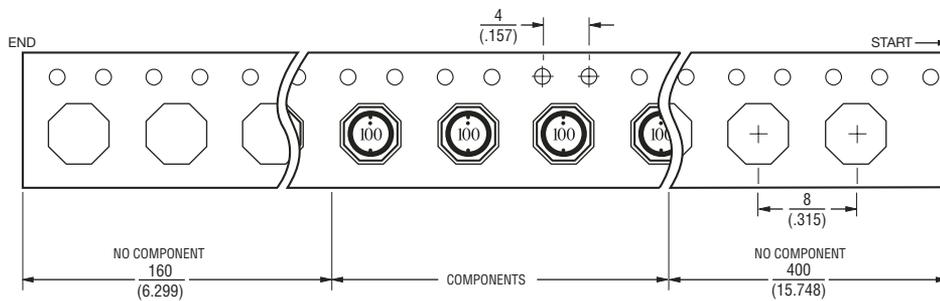
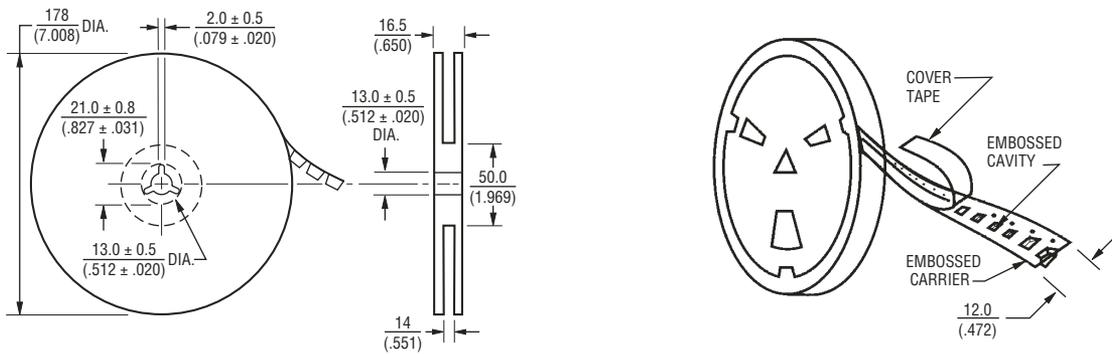


*RoHS Directive 2002/95/EC Jan 27 2003 including Annex
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

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Packaging Specifications



USER DIRECTION OF FEED
 QTY: 1,000 PCS. PER REEL

DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

REV. 05/05

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