



Features

- Available in E6 series
- Unit height of 1.8 mm
- Current up to 1.7 A
- RoHS compliant*

Applications

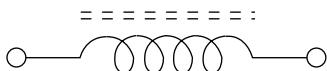
- Input/output of DC/DC converters
- Power supplies for:
 - Portable communication equipment
 - Camcorders
 - LCD TVs
 - Car radios

SRU3017 Series - Shielded SMD Power Inductors

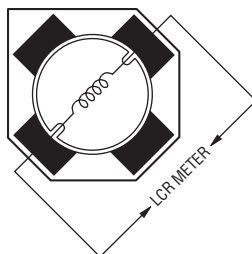
Electrical Specifications

Bourns Part No.	Inductance 100 KHz		Q Ref.	Test Frequency (MHz)	SRF Typ. (MHz)	RDC (mΩ)	I _{rms} Max. (A)	I _{sat} Typ. (A)
	(μH)	Tol. %						
SRU3017-2R2Y	2.2	± 30	8	7.96	100	35	1.70	0.98
SRU3017-3R3Y	3.3	± 30	8	7.96	80	55	1.45	0.80
SRU3017-4R7Y	4.7	± 30	10	7.96	60	68	1.10	0.63
SRU3017-6R8Y	6.8	± 30	10	7.96	50	85	1.00	0.53
SRU3017-100Y	10.0	± 30	15	7.96	40	120	0.85	0.47
SRU3017-150Y	15.0	± 30	20	2.52	35	175	0.68	0.35
SRU3017-220Y	22.0	± 30	20	2.52	30	250	0.60	0.30
SRU3017-330Y	33.0	± 30	20	2.52	20	430	0.47	0.25
SRU3017-470Y	47.0	± 30	18	2.52	18	540	0.36	0.21

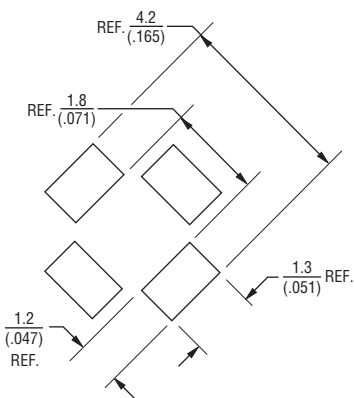
Electrical Schematic



Inductor Connection



Recommended Layout



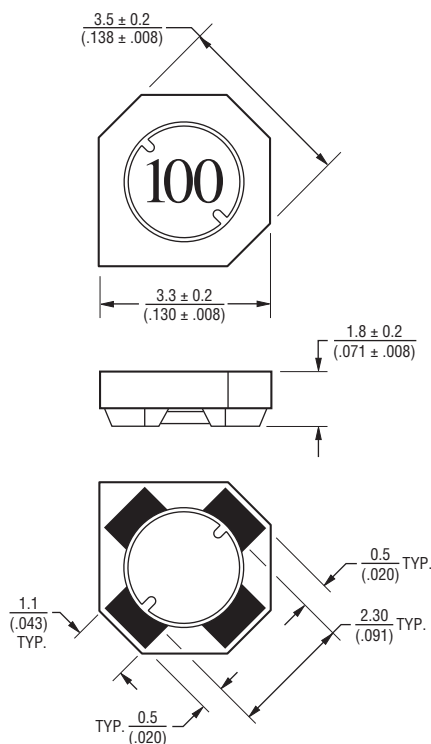
General Specifications

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.
 Rated Current
Ind. drop 35 % typ. at I_{sat}
 Temperature Rise
30 °C max. at rated I_{rms}

Materials

Core.....Ferrite DR and RI core
 Wire.....Enameled copper (Class F)
 Terminal.....Ag/Ni/Sn
 Packaging.....800 pcs. per reel

Product Dimensions



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

BOURNS®

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Tel: +886-2 2562-4117
 Fax: +886-2 2562-4116

Europe:

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 Fax: +41-41 768 5510

The Americas:

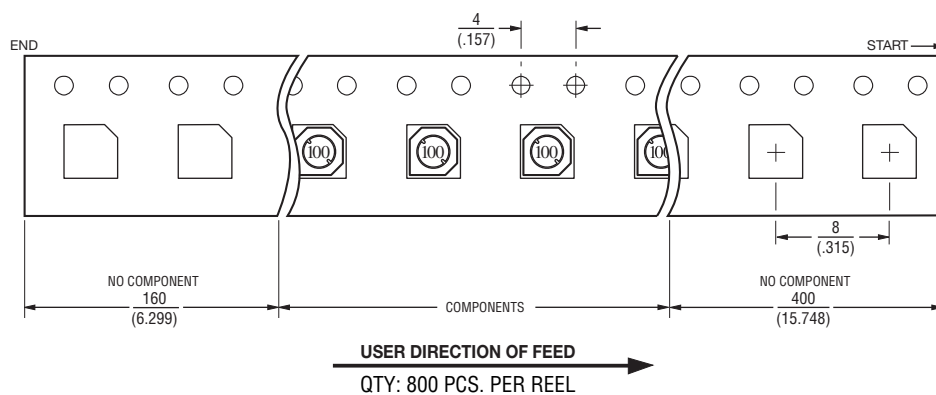
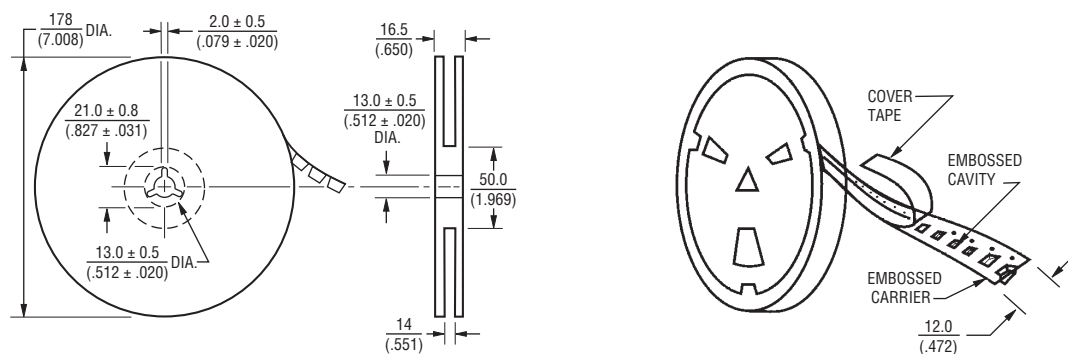
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www.bourns.com

SRU3017 Series - Shielded SMD Power Inductors

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Packaging Specifications



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

REV. 09/12

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.