



Features

- Shielded construction
- Inductance range: 10 to 33 μH
- Heating current up to 0.7 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRU3028A Series – Shielded Power Inductors

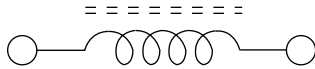
Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 KHz / 0.1 V		Q (Ref.)	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (Ω) Max.	I rms (A)	I sat (A)
	L (μH)	Tol. (%)						
SRU3028A-100Y	10	± 30	20	2.52	35	0.20	0.72	0.86
SRU3028A-150Y	15	± 30	18	2.52	25	0.29	0.66	0.72
SRU3028A-220Y	22	± 30	18	2.52	15	0.335	0.60	0.62
SRU3028A-330Y	33	± 30	20	2.52	10	0.56	0.47	0.48

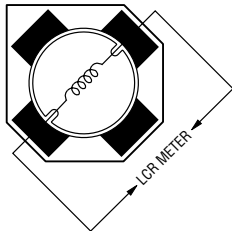
How to Order

Model SRU3028A - 100Y
 Value Code (see table)

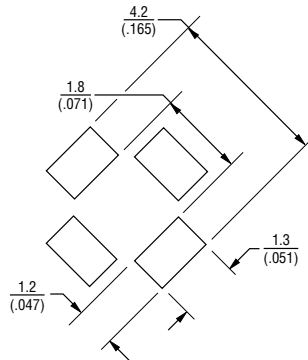
Electrical Schematic



Inductor Connection



Recommended Layout



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

Additional Information

Click these links for more information:



[PRODUCT SELECTOR](#) [TECHNICAL LIBRARY](#) [INVENTORY](#) [SAMPLES](#) [CONTACT](#)

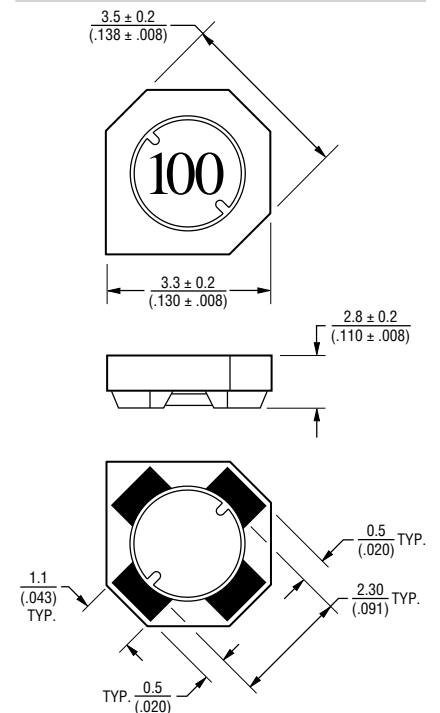
General Specifications

Operating Temperature -40 °C to +125 °C
 (Temperature rise included)
 Storage Temperature -40 °C to +125 °C
 Temperature Rise 40 °C typ. at rated I rms
 Inductance Drop 35 % typ. at I sat

Materials

Core Ferrite
 Wire Enameled copper
 Terminal Finish Ag/Ni/Sn
 Packaging 600 pcs. per reel

Product Dimensions



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

BOURNS®

Americas: Tel: +1 951-781-5500 • Email: americus@bourns.com

Mexico: Tel: +52-614-478-0400 • Email: mexicus@bourns.com

Asia: Tel: +886-2-2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

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WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

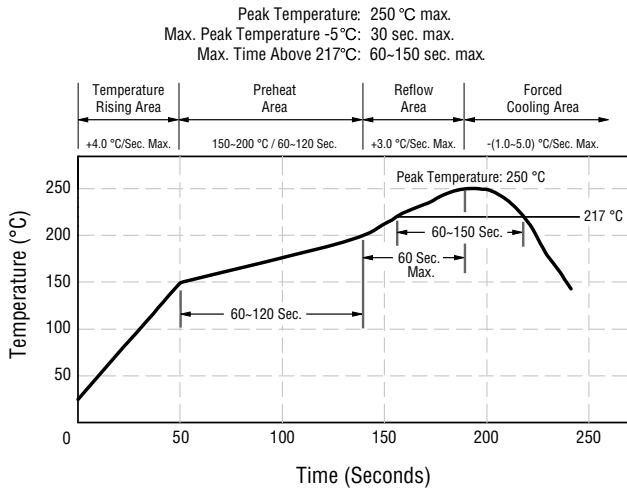
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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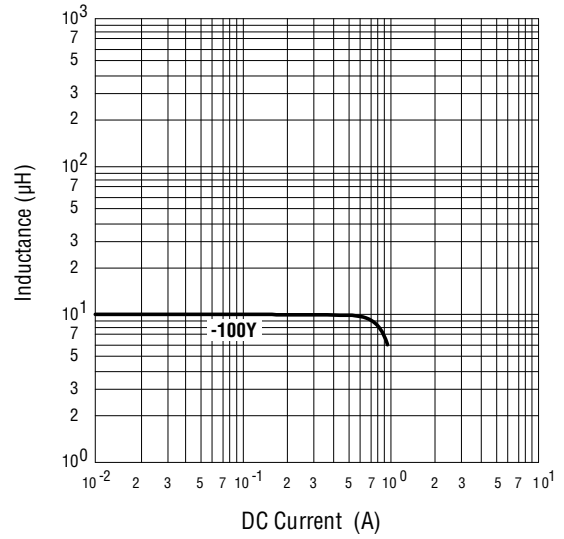
SRU3028A Series - Shielded Power Inductors



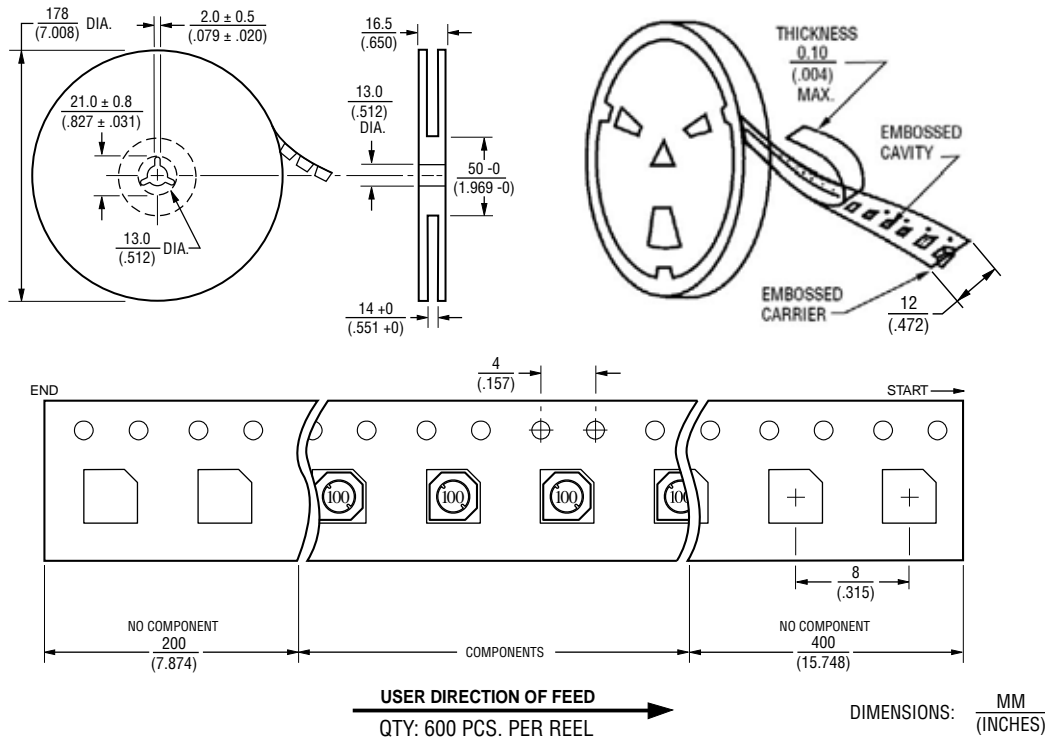
Soldering Profile



Inductance vs. DC Current Plot



Packaging Specifications



REV. 06/24

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