



Features

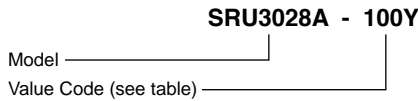
- Shielded construction
- Inductance range: 10 to 33 μ H
- Heating current up to 0.7 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRU3028A Series - Shielded Power Inductors

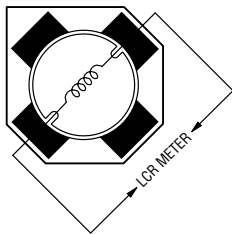
Electrical Specifications @ 25 °C

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 (μ H)	Tol. (%)						
SRU3028A-100Y	10	\pm 30	20	2.52	35	0.20	0.72	0.86
SRU3028A-150Y	15	\pm 30	18	2.52	25	0.29	0.66	0.72
SRU3028A-220Y	22	\pm 30	18	2.52	15	0.335	0.60	0.62
SRU3028A-330Y	33	\pm 30	20	2.52	10	0.56	0.47	0.48

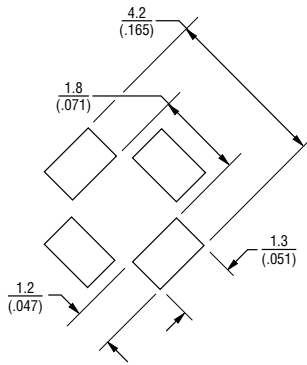
How to Order



Inductor Connection



Recommended Layout



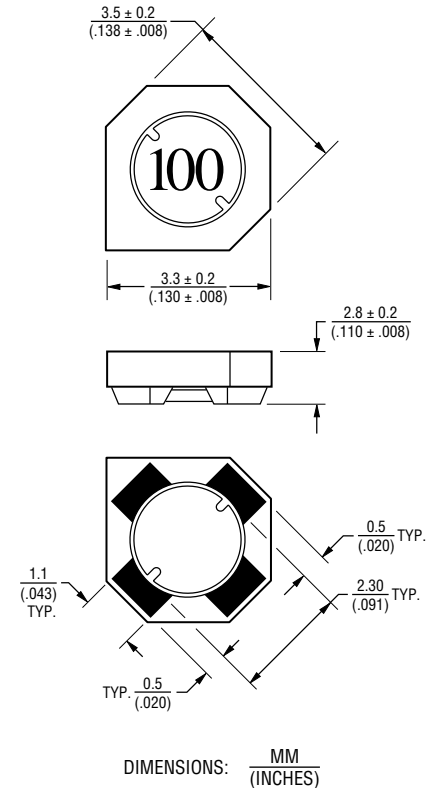
General Specifications

Operating Temperature-40 °C to +125 °C
 (Temperature rise included)
 Storage Temperature-40 °C to +125 °C
 Temperature Rise40 °C typ. at rated I rms
 Inductance Drop35 % typ. at I sat

Materials

CoreFerrite
 WireEnameled copper
 Terminal FinishAg/Ni/Sn
 Packaging600 pcs. per reel

Product Dimensions



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

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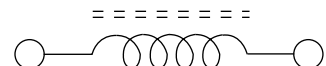
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

* 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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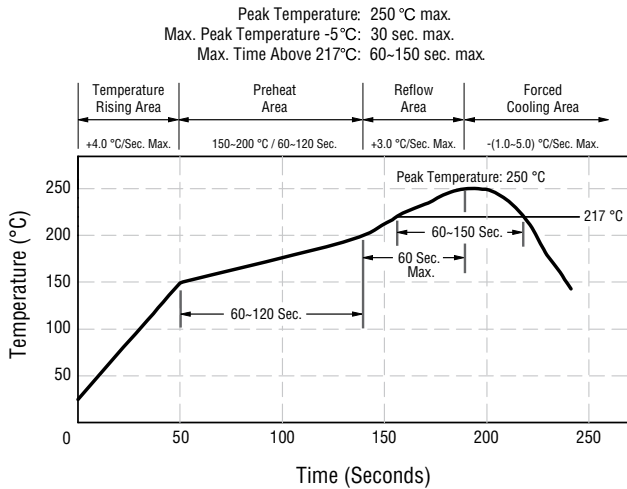
Electrical Schematic



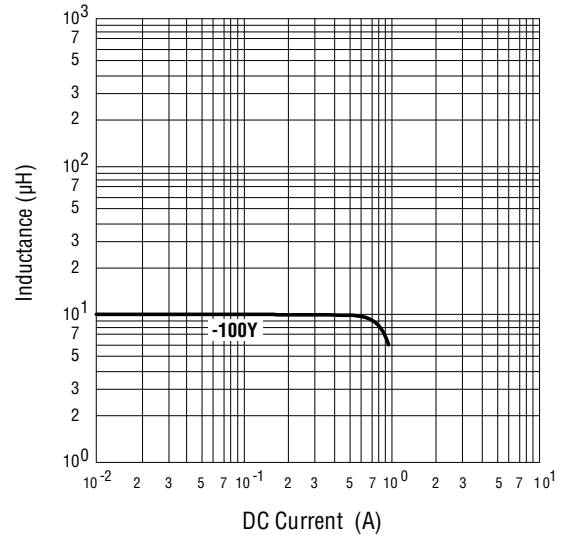
SRU3028A Series - Shielded Power Inductors



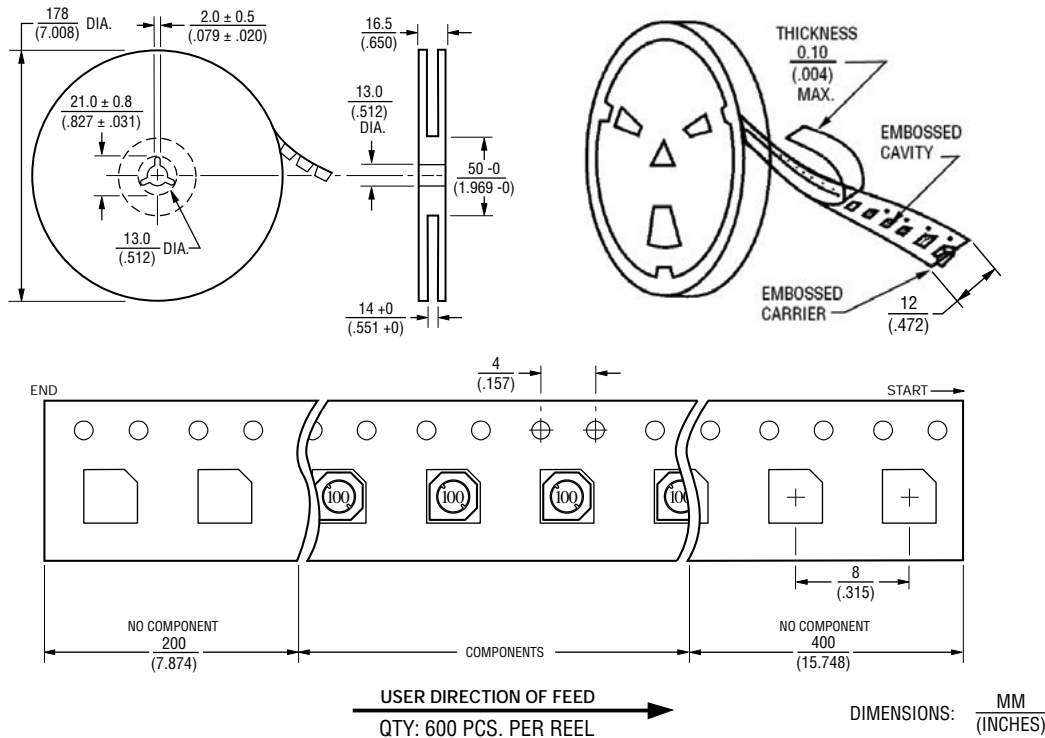
Soldering Profile



Inductance vs. DC Current Plot



Packaging Specifications



REV. 11/19

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