



## Features

- Shielded construction
- Inductance range: 10 to 33  $\mu\text{H}$
- Heating current up to 0.7 A
- AEC-Q200 qualified
- RoHS compliant\* and halogen free\*\*

## SRU3028A Series – Shielded Power Inductors

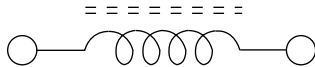
### Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 KHz / 0.1 V		Q (Ref.)	Test Freq. (MHz)	SRF (MHz) Typ.	DCR ( $\Omega$ ) Max.	I rms (A)	I sat (A)
	L ( $\mu\text{H}$ )	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

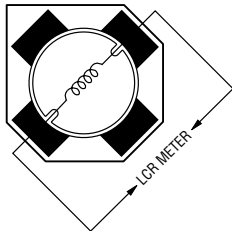
### How to Order

Model SRU3028A - 100Y  
 Value Code (see table)

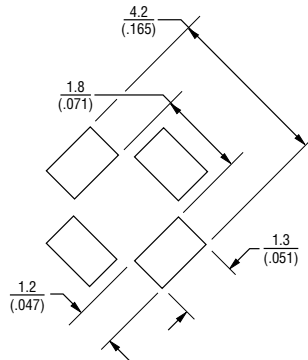
### Electrical Schematic



### 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](#)

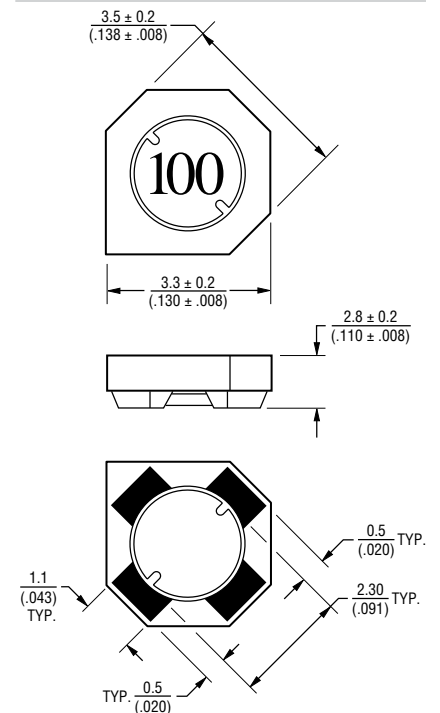
### General Specifications

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®

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**WARNING Cancer and Reproductive Harm** [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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

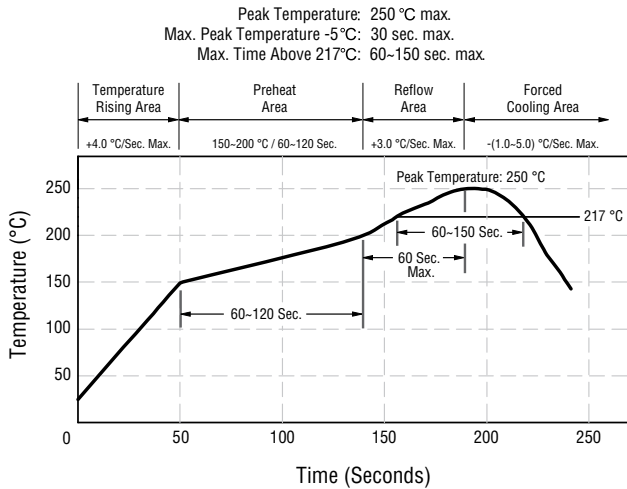
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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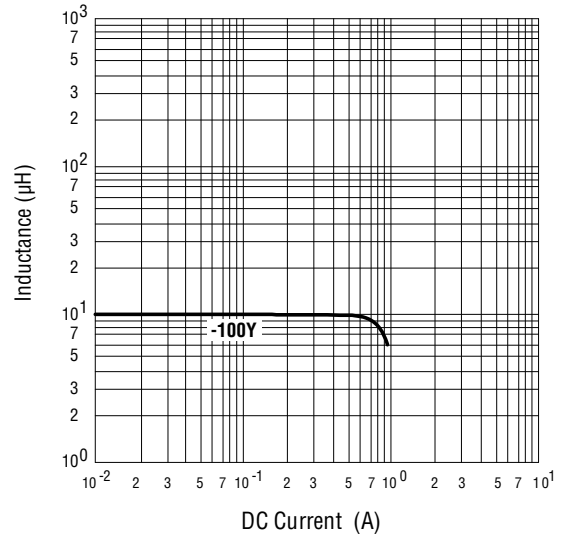
# SRU3028A Series - Shielded Power Inductors



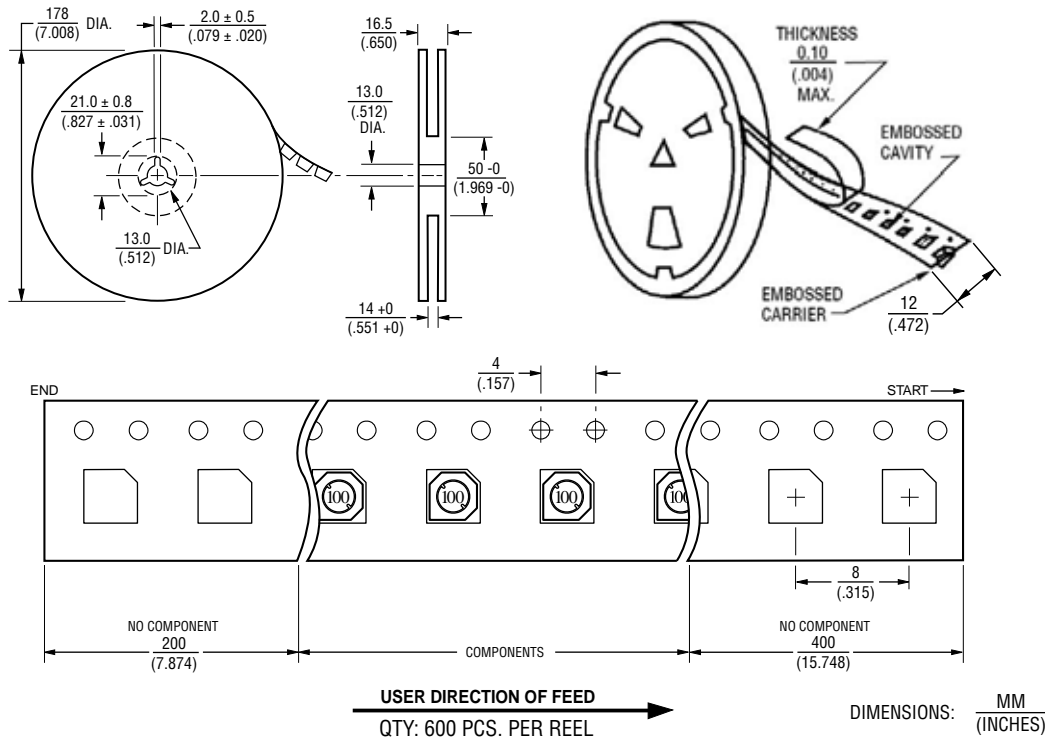
## Soldering Profile



## Inductance vs. DC Current Plot



## Packaging Specifications



REV. 06/24

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Users should verify actual device performance in their specific applications.

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