

Features

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

BOURNS

SRU3028A Series - Shielded Power Inductors

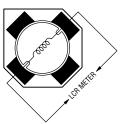
Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 KHz / 0.1 V		Q (Def)	Test Freq.	SRF (MHz)	DCR (Ω)	I rms	I sat
Part Nulliber	L (µH)	Tol. (%)	(Ref.)	(MHz)	Тур.	Max.	(A)	(A)
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

SRU3028A - 100Y Model Value Code (see table)

Inductor Connection



<u>4.2</u> (.165) (.071) 1.3 (.051) (.047

Recommended Layout

General Specifications

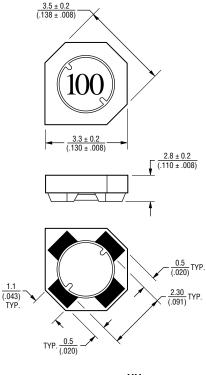
Operating Temperature

operating remperature
-40 °C to +125 °C
(Temperature rise included)
Storage Temperature
-40 °C to +125 °C
Temperature Rise

Materials

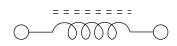
Core	Ferrite
Wire	Enameled copper
Terminal Finish	Ag/Ni/Sn
Packaging	. 600 pcs. per reel

Product Dimensions



MM DIMENSIONS: (INCHES)

Electrical Schematic



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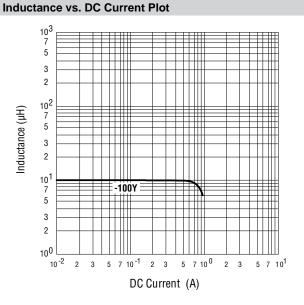
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (CI) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm or less. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

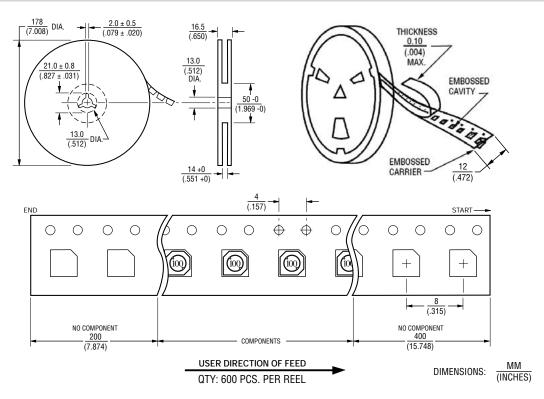
SRU3028A Series - Shielded Power Inductors

Soldering Profile Peak Temperature: 250 °C max. Max. Peak Temperature -5°C: 30 sec. max. Max. Time Above 217°C: 60~150 sec. max. Temperature Rising Area Preheat Reflow Forced Cooling Area Area Area +4.0 °C/Sec. Max 150~200 °C / 60~120 Sec +3.0 °C/Sec. Max. -(1.0~5.0) °C/Sec. Max. Peak Temperature: 250 °C 250 217 °(Temperature (°C) 200 60~150 Sec 60 Sec. -150 60~120 Sec. 100 50 0 50 100 150 200 250 Time (Seconds)

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Packaging Specifications



REV. 11/19

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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