

#### **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

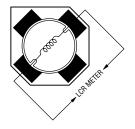
Bourns Part Number	Inductance @ 100 KHz / 0.1 V		Q (D-f)	Test Freq.	SRF (MHz)	DCR (Ω)	I rms	I sat
Part Number	L (μH)	Tol. (%)	(Ref.)	(MHz)	Тур.	Max.	(A)	(A)
SRU3028A-100Y	10	±30	20	2.52	35	0.20	0.72	0.86
SRU3028A-150Y	15	±30	18	2.52	25	0.29	0.66	0.72
SRU3028A-220Y	22	±30	18	2.52	15	0.335	0.60	0.62
SRU3028A-330Y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

#### **How to Order**

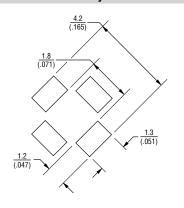
SRU3028A - 100Y

Model Value Code (see table)

#### **Inductor Connection**



#### **Recommended Layout**



## **BOURNS**®

Asia-Pacific: 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 (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.

### **General Specifications**

**Operating Temperature** 

.....-40 °C to +125 °C (Temperature rise included)

Storage Temperature

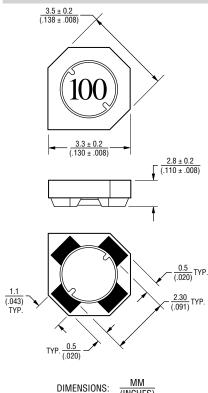
.....-40 °C to +125 °C Temperature Rise

.....40 °C typ. at rated I rms Inductance Drop ......... 35 % typ. at I sat

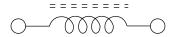
#### **Materials**

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

#### **Product Dimensions**

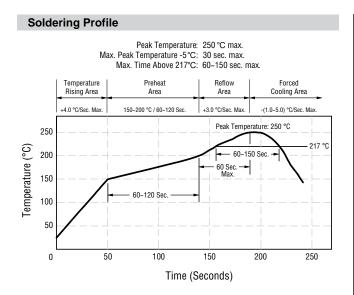


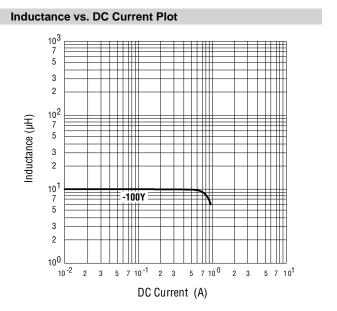
#### **Electrical Schematic**



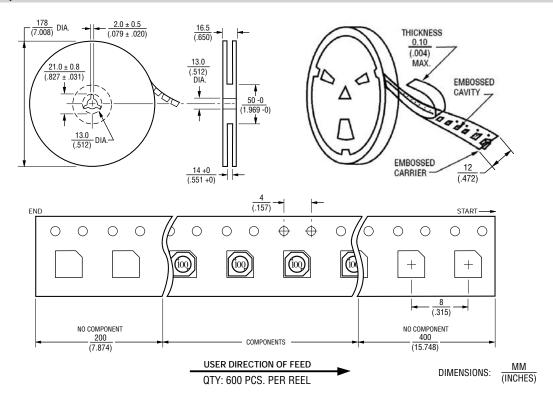
# **SRU3028A Series - Shielded Power Inductors**

## BOURNS





#### **Packaging Specifications**



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