

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

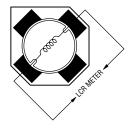
| Bourns Part Number | Inductance @ 100 KHz / 0.1 V | | Q (Ref.) | Test Freq. | SRF (MHz) | DCR (Ω) | I rms | I sat (A) |
|-----------------------|---------------------------------|----------|-------------|---------------|--------------|------------|-------|--------------|
| | L (μH) | Tol. (%) | (nei.) | (MHz) | Тур. | Max. | (A) | (4) |
| 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

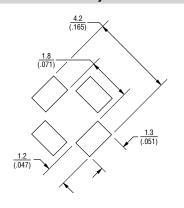
SRU3028A - 100Y

Model
Value Code (see table)

Inductor Connection



Recommended Layout



BOURNS®

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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. 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

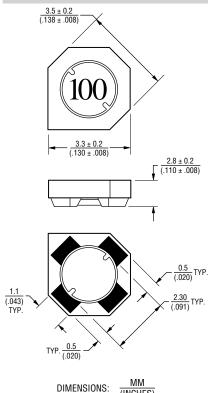
Temperature Rise

......40 °C typ. at rated I rms Inductance Drop35 % typ. at I sat

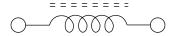
Materials

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

Product Dimensions

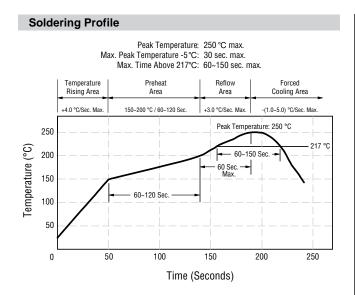


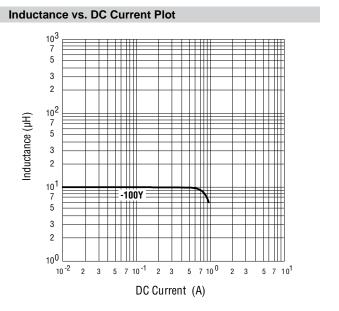
Electrical Schematic



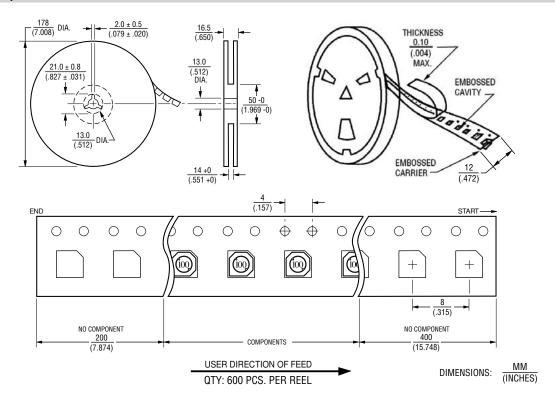
SRU3028A Series - Shielded Power Inductors

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Packaging Specifications



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