

Features

- Shielded construction
- Inductance range: 1.2 to 100 µH
- Heating current up to 3.5 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRU5028A Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

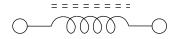
Bourns Part Number	Inductance @ 100 KHz / 0.1 V		Q (D.()	Test Freg.	SRF (MHz)	DCR (Ω)	I rms	I sat
	L (μH)	Tol. (%)	(Ref.)	(MHz)	`Typ.´	Max.	(A)	(A)
SRU5028A-1R2Y	1.2	±30	10	7.96	200	0.022	3.5	3.4
SRU5028A-2R2Y	2.2	±30	10	7.96	130	0.027	3.2	2.5
SRU5028A-3R3Y	3.3	±30	10	7.96	90	0.032	2.8	2.1
SRU5028A-4R7Y	4.7	±30	9	7.96	50	0.045	2.2	1.85
SRU5028A-6R8Y	6.8	±30	10	7.96	45	0.056	2.0	1.55
SRU5028A-100Y	10	±30	18	2.52	25	0.085	1.8	1.4
SRU5028A-150Y	15	±30	18	2.52	23	0.14	1.1	1.0
SRU5028A-220Y	22	±30	15	2.52	18	0.21	0.95	0.85
SRU5028A-330Y	33	±30	15	2.52	16	0.26	0.8	0.68
SRU5028A-470Y	47	±30	13	2.52	13	0.36	0.7	0.62
SRU5028A-680Y	68	±30	13	2.52	10	0.55	0.56	0.46
SRU5028A-101Y	100	±30	15	0.796	8	0.8	0.47	0.42

How to Order

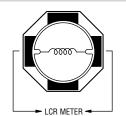
SRU5028A - 100Y

Value Code (see table)

Electrical Schematic



Inductor Connection



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

.....-40 °C to +125 °C

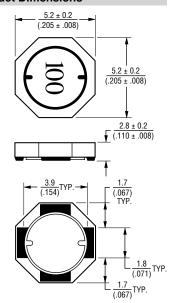
Temperature Rise

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

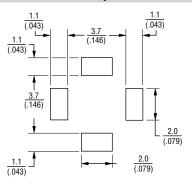
Materials

CoreFerrite
WireEnameled copper
Terminal FinishAg/Ni/Sn
Packaging600 pcs. per 7 " reel

Product Dimensions



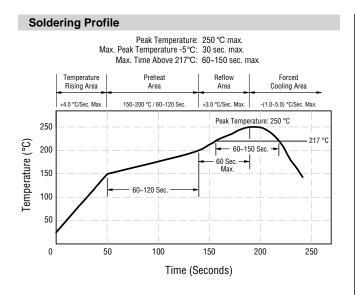
Recommended Layout

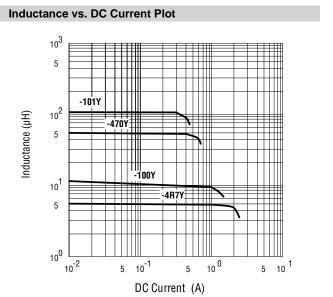


DIMENSIONS: $\frac{MM}{(INCHES)}$

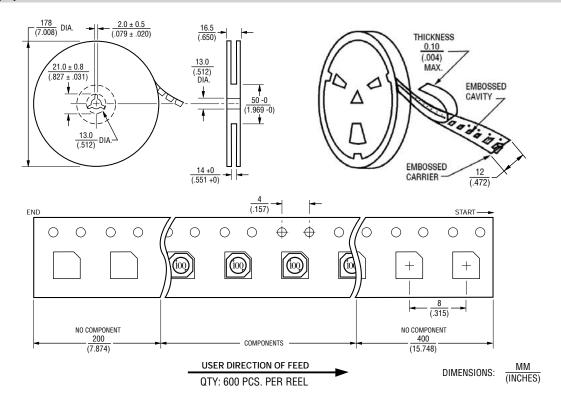
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Packaging Specifications



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