

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**

BOURNS

SRU5028A 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
	L (µH)	Tol. (%)	(Ref.)	(MHz)	Тур.	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

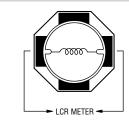
SRU5028A - 100Y

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Model Value Code (see table)

Inductor Connection

Electrical Schematic



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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

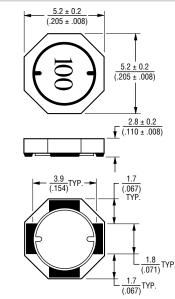
General Specifications

Operating Temperature

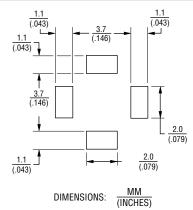
Materials

Core	Ferrite
Wire	Enameled copper
Terminal Finish	Ag/Ni/Sn
Packaging	.600 pcs. per 7 " reel

Product Dimensions

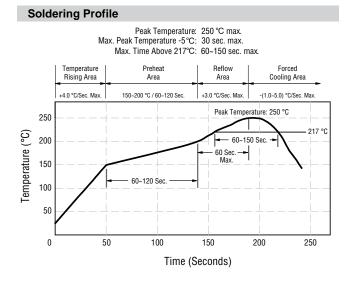


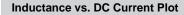
Recommended Layout

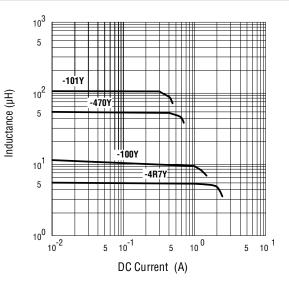


SRU5028A Series - Shielded Power Inductors

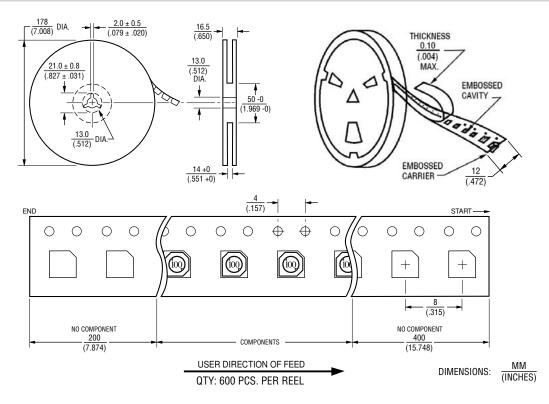
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Packaging Specifications



Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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