Features

- Shielded construction
- Inductance range: 1 to 150 µH
- Heating current up to 7 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRU1028A Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 KHz / 1 V		Q (Ref.)	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (mΩ) Max.	I rms (A)	I sat (A)
	L (µH)	Tol. (%)						
SRU1028A-1R0Y	1.0	±30	14	7.96	100	6.5	7.00	8.00
SRU1028A-1R5Y	1.5	±30	12	7.96	80	10.0	6.50	6.50
SRU1028A-2R2Y	2.2	±30	12	7.96	65	15.0	5.30	4.80
SRU1028A-3R3Y	3.3	±30	14	7.96	55	20.0	4.60	4.30
SRU1028A-4R7Y	4.7	±30	12	7.96	40	23.0	4.50	3.80
SRU1028A-6R8Y	6.8	±30	12	7.96	30	33.0	3.50	3.00
SRU1028A-8R2Y	8.2	±30	12	7.96	28	37.0	3.30	2.70
SRU1028A-100Y	10	±30	20	2.52	25	53.0	2.80	2.40
SRU1028A-150Y	15	±30	26	2.52	22	90.0	2.00	2.00
SRU1028A-220Y	22	±30	26	2.52	16	135.0	1.60	1.40
SRU1028A-330Y	33	±30	24	2.52	12	180.0	1.25	1.20
SRU1028A-470Y	47	±30	20	2.52	11	230.0	1.30	1.10
SRU1028A-560Y	56	±30	22	2.52	10	270.0	1.10	1.00
SRU1028A-680Y	68	±30	20	2.52	9	300.0	1.00	0.90
SRU1028A-820Y	82	±30	20	2.52	8	420.0	0.90	0.85
SRU1028A-101Y	100	±30	20	0.796	7	470.0	0.85	0.80
SRU1028A-121Y	120	±30	18	0.796	6	560.0	0.70	0.70
SRU1028A-151Y	150	±30	18	0.796	5	680.0	0.65	0.65

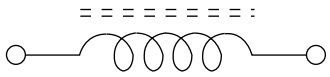
How to Order

SRU1028A - 100Y

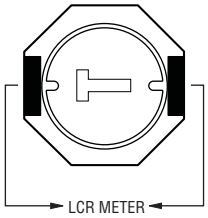
Model

Value Code (see table)

Electrical Schematic



Inductor Connection



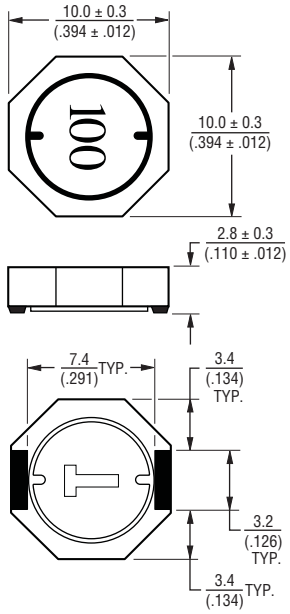
General Specifications

Operating Temperature
.....-40 °C to +125 °C
(Temperature rise included)
Storage Temperature
.....-40 °C to +125 °C
Resistance to Soldering Heat
.....+250 °C for 10 sec.
Temperature Rise
.....40 °C typ. at rated I rms
Inductance Drop .....35 % typ. at I sat

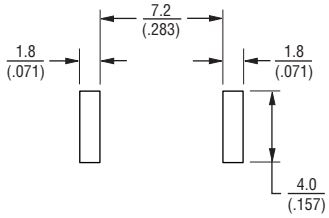
Materials

Core.....Ferrite
Wire .....Enameled copper
Terminal Finish .....Ag/Ni/Sn
Packaging.....1000 pcs. per reel

Product Dimensions



Recommended Layout



DIMENSIONS: MM / (INCHES)

BOURNS®

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Europe: Tel: +41-41 768 5555 • Fax: +41-41 768 5510
The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700
www.bourns.com

WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

** 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.

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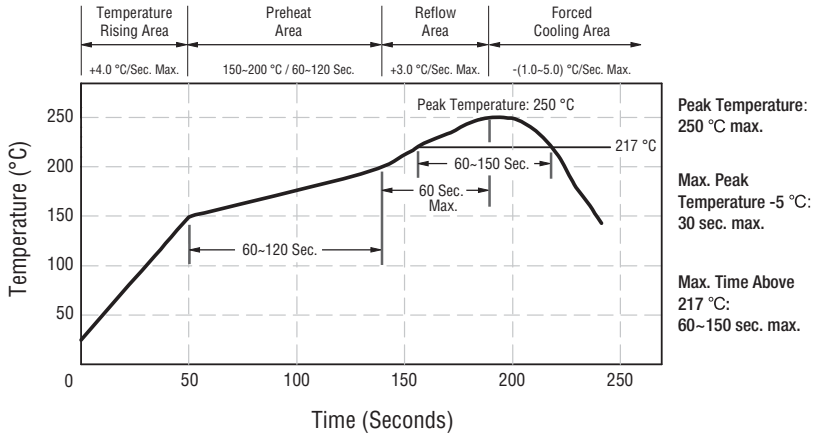
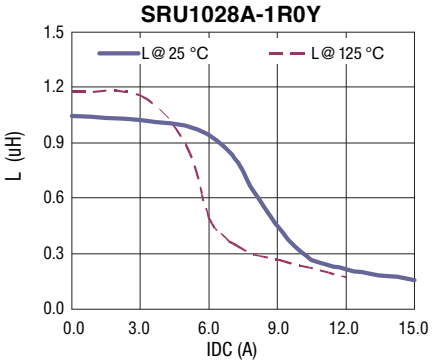
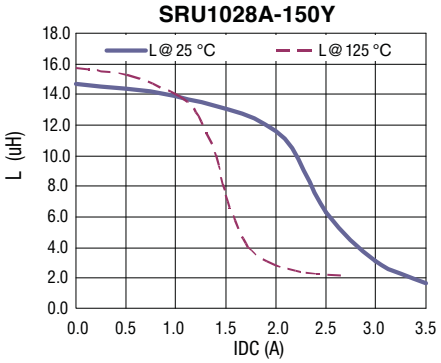
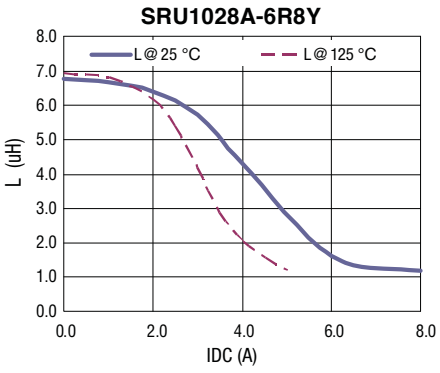
Soldering Profile

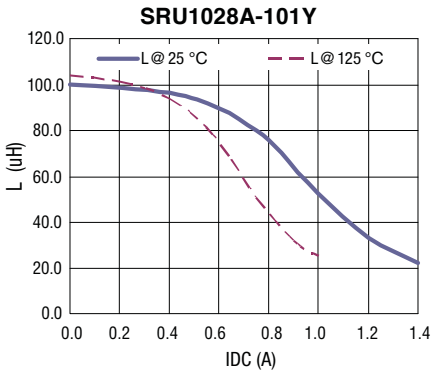


L vs. IDC









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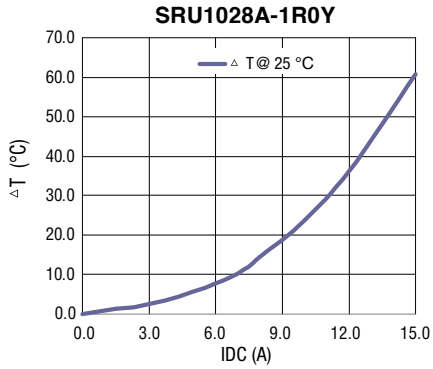
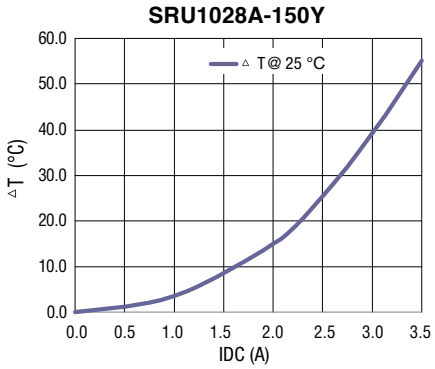
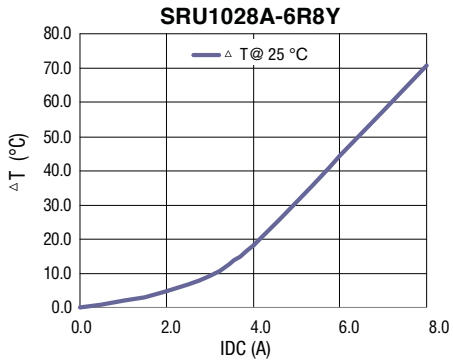
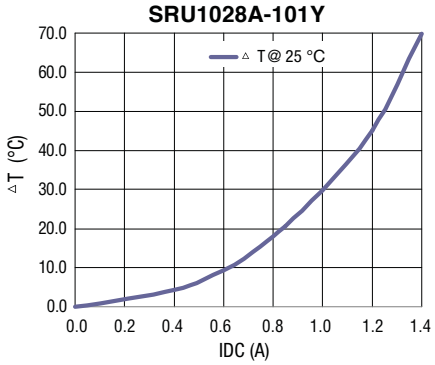
Temperature vs. IDC

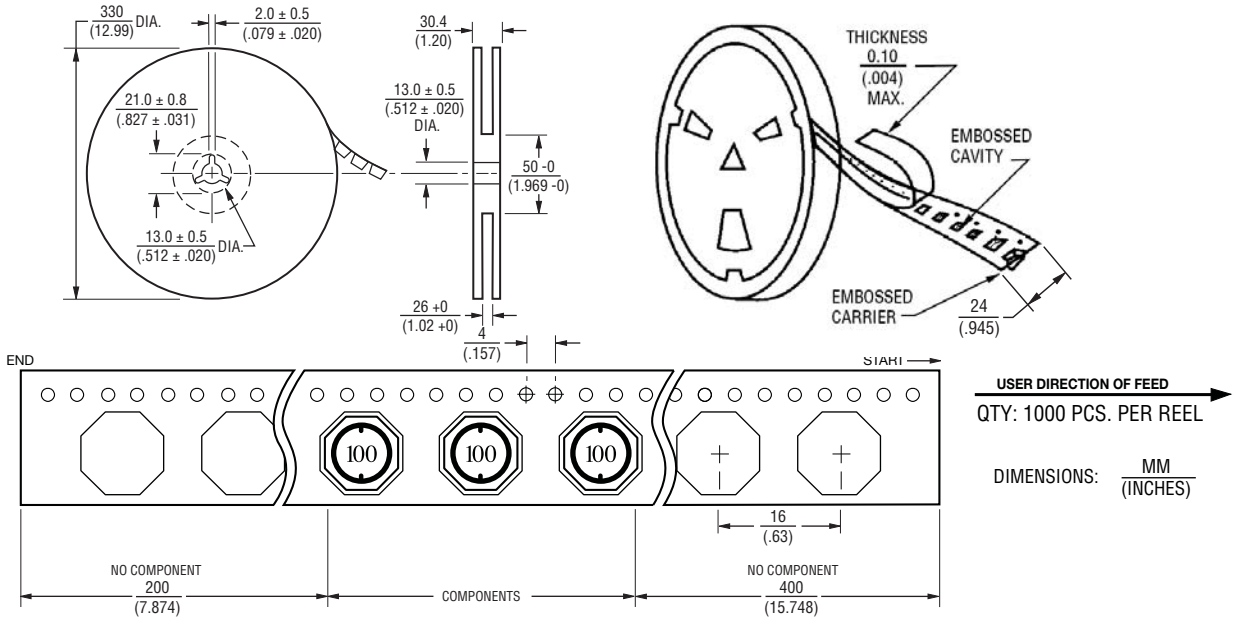








Packaging Specifications



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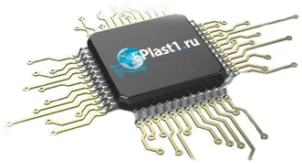
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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