

Features

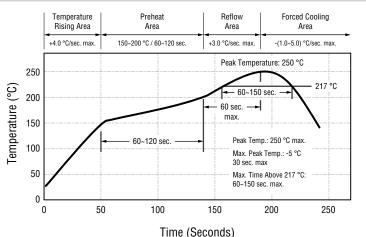
- Semi-shielded construction
- High operating temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRN5030HA Series - Semi-shielded Power Inductors

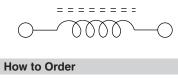
Electrical Specifications @ 25 °C

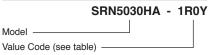
	Inductance @ 100 kHz / 0.1 V			Q Test Freq.	SRF (MHz)	DCR (mΩ)	Irms (A)	Isat (A)
Bourns Part No.	L (μ H)	Tol. %	Q Typ.	(MHz)	Тур.	Max.	Тур.	Typ.
SRN5030HA-R47Y	0.47	30	14.0	7.96	171.0	12.0	7.00	10.00
SRN5030HA-1R0Y	1.00	30	14.0	7.96	124.0	18.0	5.00	7.20
SRN5030HA-1R5Y	1.50	30	13.0	7.96	67.0	26.0	4.20	6.40
SRN5030HA-2R2Y	2.20	30	14.0	7.96	57.0	33.0	3.70	4.90
SRN5030HA-4R7Y	4.70	30	13.0	7.96	39.0	53.0	2.70	3.50
SRN5030HA-100M	10.00	20	18.0	2.52	24.0	105.0	1.70	2.10
SRN5030HA-220M	22.00	20	14.0	2.52	15.0	220.0	1.30	1.40
SRN5030HA-470M	47.00	20	16.0	2.52	10.0	450.0	0.80	0.95
SRN5030HA-101M	100.00	20	30.0	0.796	7.0	1400.0	0.45	0.65

Soldering Profile



Electrical Schematic







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.

Recommended Layout

5.40 (.213) 4.40

(.173)

DIMENSIONS:

1.40

(.055)

MM

(INCHES)

Additional Information

Click these links for more information:



General Specifications

Operating Temperature

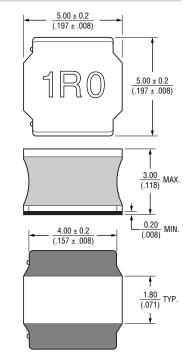
.....--55 °C to +150 °C (Temperature rise included)

.....Inductance drops 30 % at Isat Moisture Sensitivity Level......1 ESD Classification (HBM).....N/A

Materials

Enameled copper
cs. per 7-inch reel

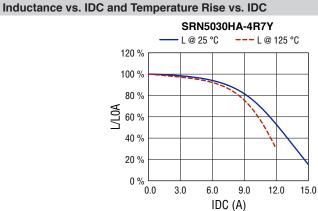
Product Dimensions

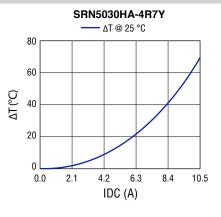


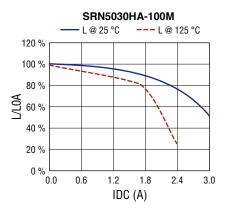


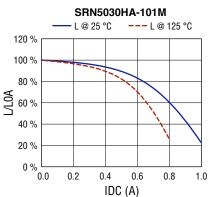
SRN5030HA Series - Semi-shielded Power Inductors

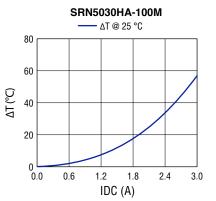
BOURNS

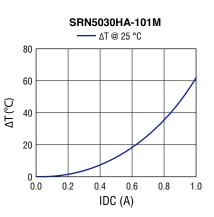












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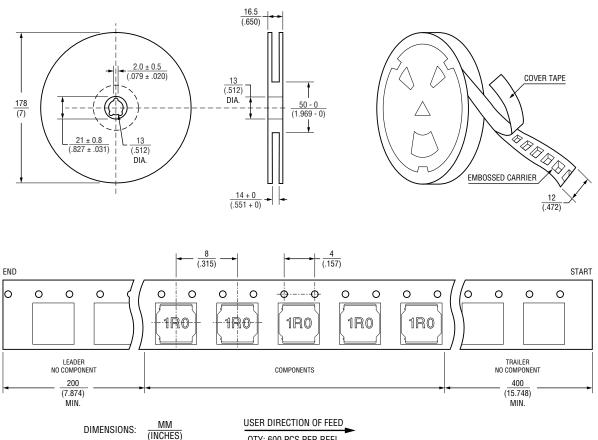
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SRN5030HA Series - Semi-shielded Power Inductors

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Packaging Specifications



QTY: 600 PCS PER REEL

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