

Features

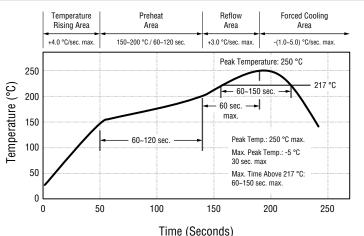
- Semi-shielded construction
- High operating temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRN5030HA Series - Semi-shielded Power Inductors

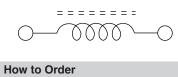
Electrical Specifications @ 25 °C

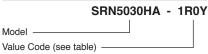
	Inductance @ 100 kHz / 0.1 V			Q Test Freq.	SRF (MHz)	DCR (mΩ)	Irms (A)	Isat (A)
Bourns Part No.	L (μ H)	Tol. %	Q Typ.	(MHz)	Тур.	Max.	Тур.	Typ.
SRN5030HA-R47Y	0.47	30	14.0	7.96	171.0	12.0	7.00	10.00
SRN5030HA-1R0Y	1.00	30	14.0	7.96	124.0	18.0	5.00	7.20
SRN5030HA-1R5Y	1.50	30	13.0	7.96	67.0	26.0	4.20	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 (CI) content is 900 ppm or less; and
 (c) the total Bromine (Br) and Chlorine (CI) content
 is 1500 ppm or less.

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Recommended Layout

5.40 (.213) 4.40

(.173)

DIMENSIONS:

1.40

(.055)

MM

(INCHES)

Additional Information

Click these links for more information:



General Specifications

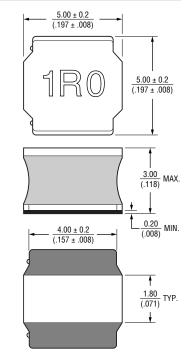
Operating Temperature

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

Materials

CoreFerrite WireEnameled coppe Terminal FinishSn/Ag/Cu CoatingMagnetic epoxy resir Packaging 600 pcs. per 7-inch ree	r J
Packaging 600 pcs. per 7-inch ree	l

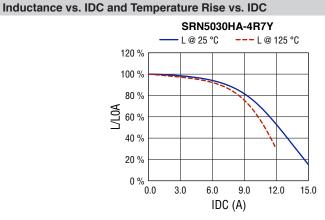
Product Dimensions

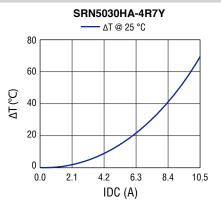


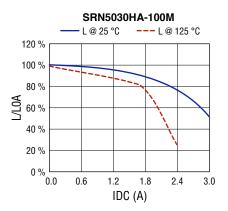
DIMENSIONS: MM (INCHES)

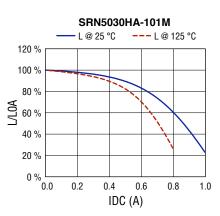
SRN5030HA Series - Semi-shielded Power Inductors

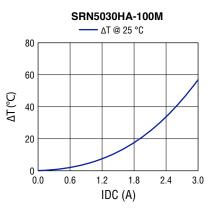
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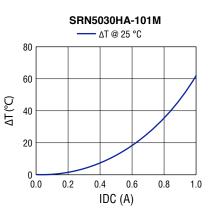












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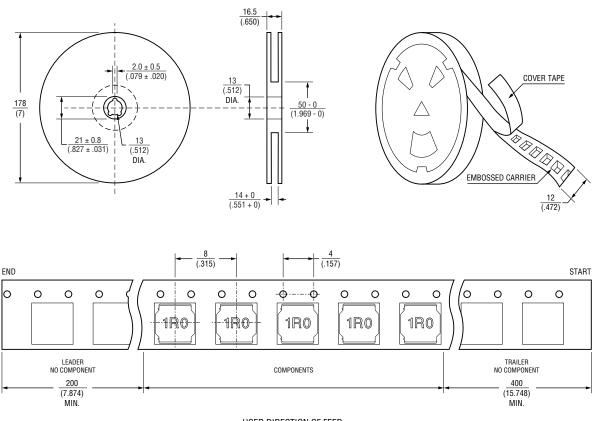
Users should verify actual device performance in their specific applications.

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SRN5030HA Series - Semi-shielded Power Inductors

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Packaging Specifications



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

USER DIRECTION OF FEED QTY: 600 PCS PER REEL

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Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com www.bourns.com

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