

Features

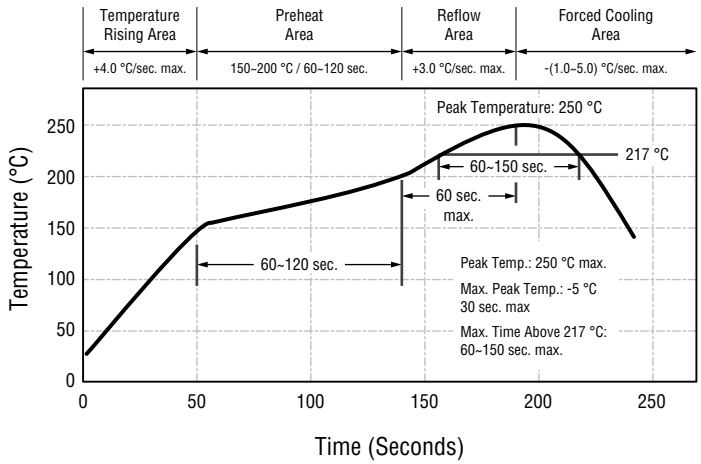
- Semi-shielded construction
- High operating temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRN3030HA Series - Semi-shielded Power Inductors

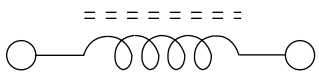
Electrical Specifications @ 25 °C

Bourns Part No.	Inductance @ 100 kHz / 0.1 V		Q Typ.	Q Test Freq. (MHz)	SRF (MHz) Typ.	DCR (mΩ) Max.	Irms (A) Typ.	Isat (A) Typ.
	L (µH)	Tol. %						
SRN3030HA-1R0Y	1.00	30	13	7.96	122	55.0	2.60	5.00
SRN3030HA-2R2Y	2.20	30	14	7.96	66	85.0	2.10	3.50
SRN3030HA-4R7Y	4.70	30	15	7.96	37	200.0	1.40	2.40
SRN3030HA-100M	10.00	20	20	2.52	25	450.0	0.90	1.60
SRN3030HA-220M	22.00	20	25	2.52	16	1100.0	0.55	1.10
SRN3030HA-470M	47.00	20	27	2.52	10	2050.0	0.35	0.75
SRN3030HA-101M	100.00	20	33	0.796	7	5000.0	0.25	0.50

Soldering Profile



Electrical Schematic



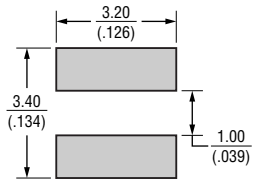
How to Order

SRN3030HA - 1R0Y

Model

Value Code (see table)

Recommended Layout



DIMENSIONS: MM (INCHES)

Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

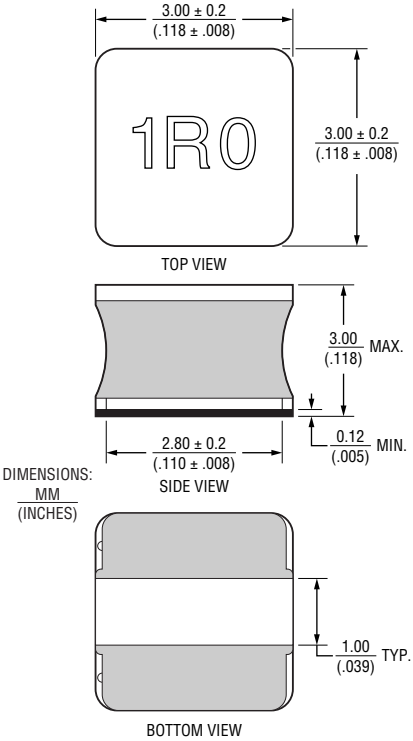
General Specifications

Operating Temperature
..... -55 °C to +150 °C
(Temperature rise included)
Storage Temperature (Component)
..... -55 °C to +150 °C
Temperature Rise .....40 °C at rated Irms
Rated Current
..... Inductance drops 30 % at Isat
Moisture Sensitivity Level.....1
ESD Classification (HBM).....N/A

Materials

Core..... Ferrite
Wire .....Enameled copper
Terminal Finish ..... Sn/Ag/Cu
Coating .....Magnetic epoxy resin
Packaging..... 700 pcs. per 7-inch reel

Product Dimensions



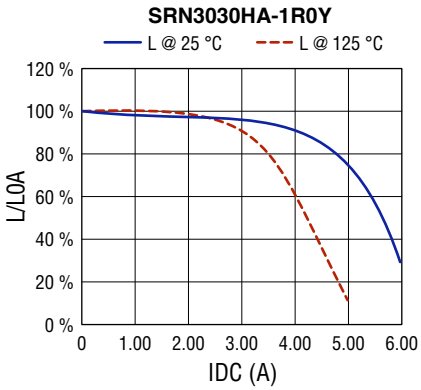
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

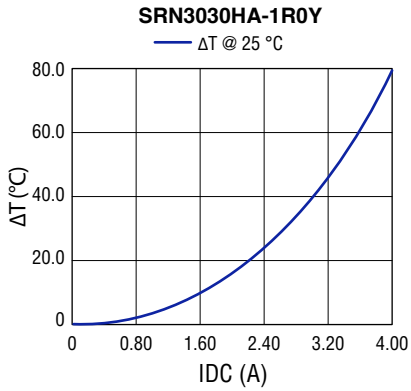
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

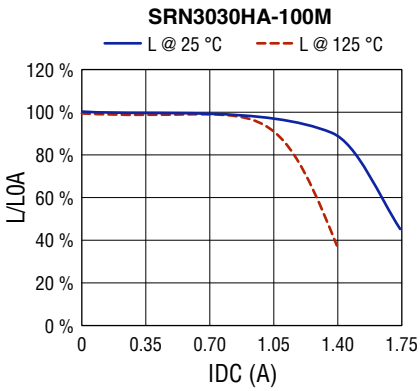
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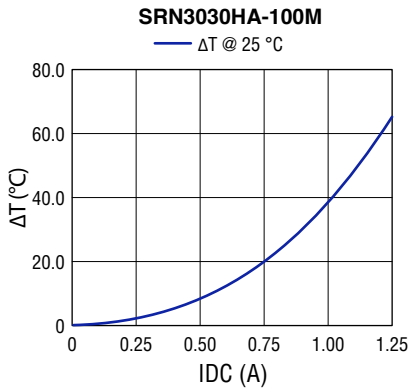
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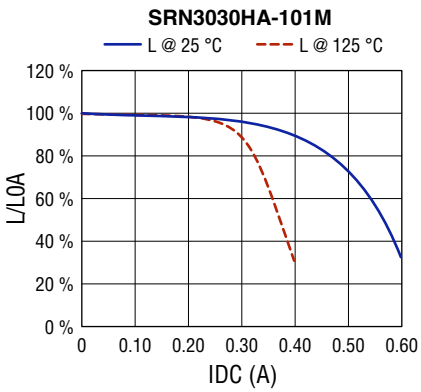
Inductance vs. IDC and Temperature Rise vs. IDC

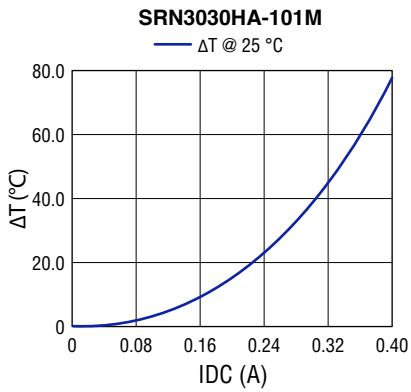








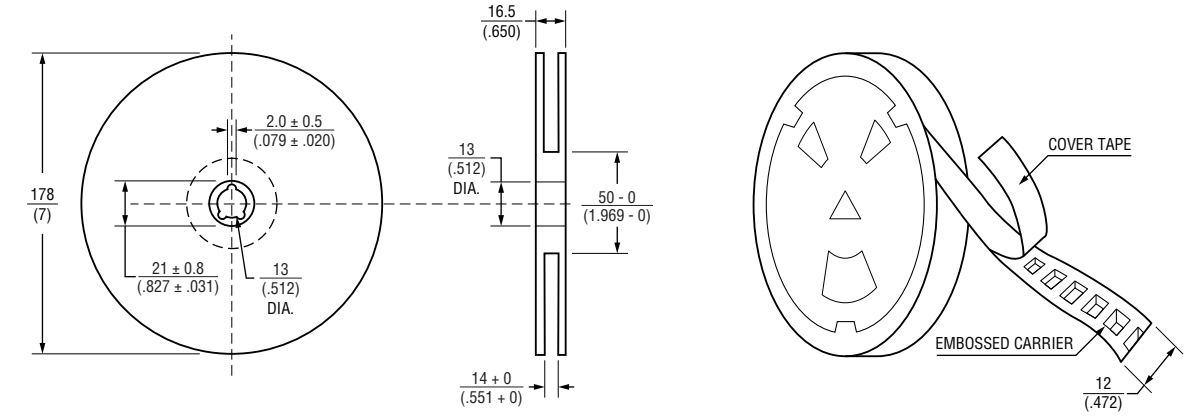


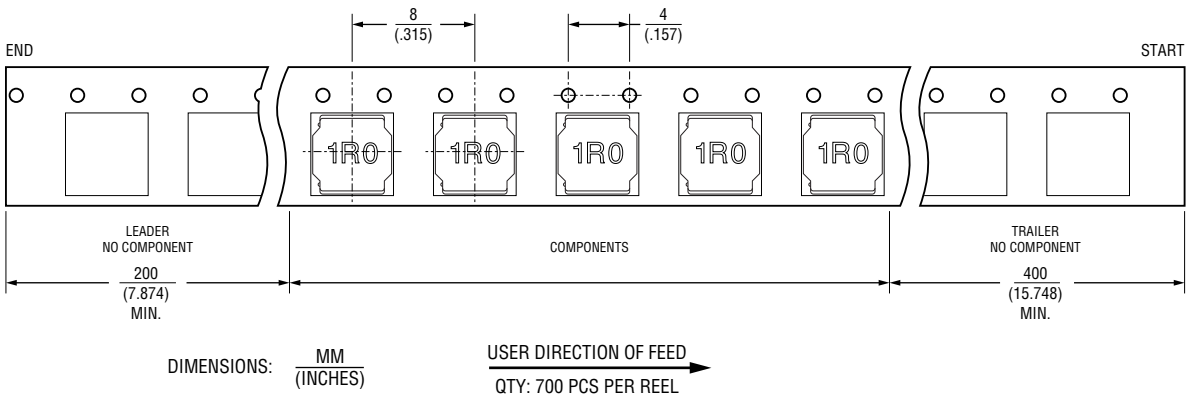


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Packaging Specifications





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