

Features

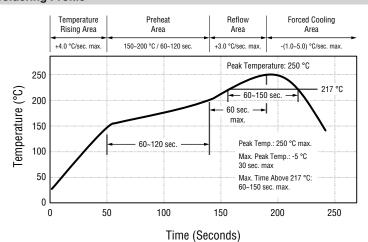
- Semi-shielded construction
- High operating temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRN3030HA Series - Semi-shielded Power Inductors

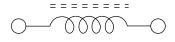
Electrical Specifications @ 25 °C

	Inductance @ 100 kHz / 0.1 V			Q Test Freg.	SRF (MHz)	DCR (mΩ)	Irms (A)	Isat (A)
Bourns Part No.	L (μH)	Tol. %	Q Typ.	(MHz)	Typ.	Max.	Typ.	Typ.
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

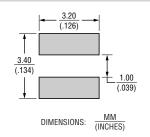


How to Order

Value Code (see table)

SRN3030HA - 1R0Y

Recommended Layout



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. 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.

Additional Information

Click these links for more information:











PRODUCT SELECTOR

TECHNICAL INVEN

INVENTORY SAMPL

CONTAC

General Specifications

Operating Temperature

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

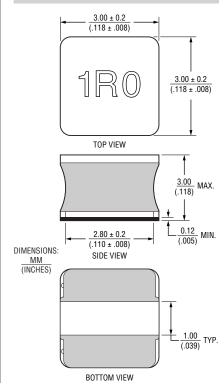
Storage Temperature (Component)
.....-55 °C to +150 °C

Temperature Rise40 °C at rated Irms Rated Current

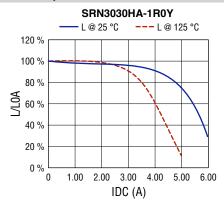
Materials

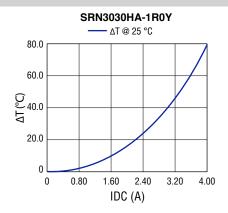
Core......Ferrite
Wire.....Enameled copper
Terminal FinishSn/Ag/Cu
CoatingMagnetic epoxy resin
Packaging700 pcs. per 7-inch reel

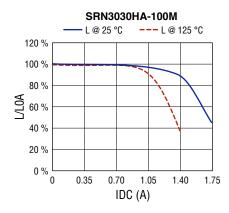
Product Dimensions

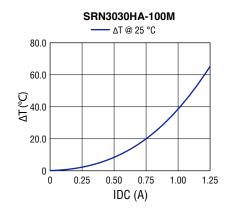


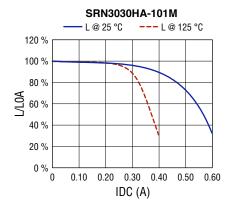
Inductance vs. IDC and Temperature Rise vs. IDC

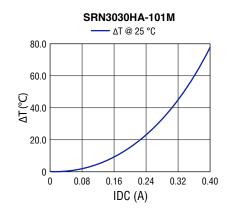




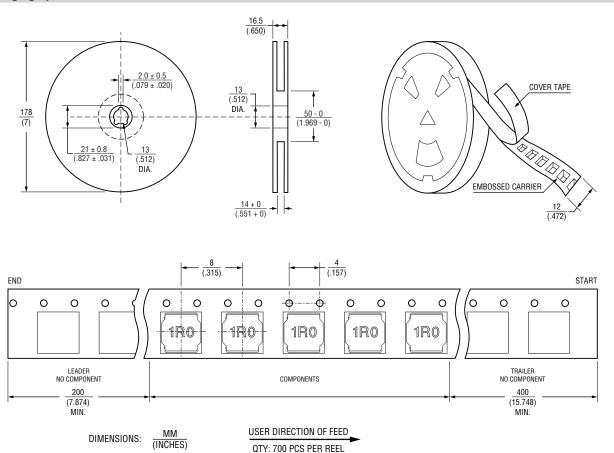








Packaging Specifications



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