



Features

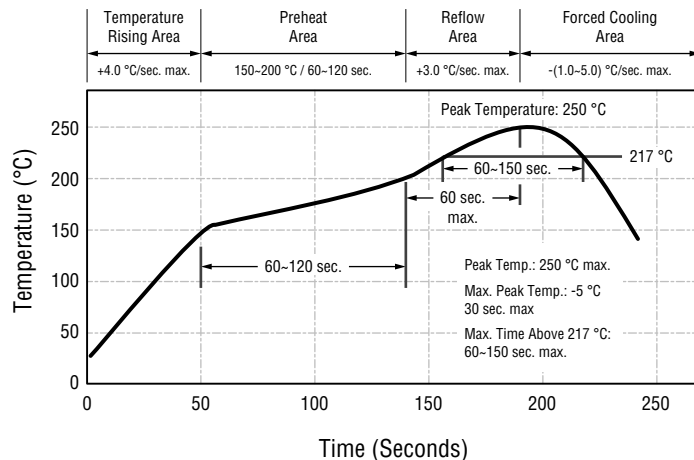
- Semi-shielded construction
- High operating temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRN3030HA Series - Semi-shielded Power Inductors

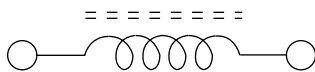
Electrical Specifications @ 25 °C

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

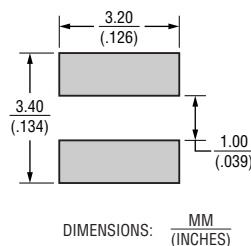


How to Order

SRN3030HA - 1R0Y

Model _____
Value Code (see table) _____

Recommended Layout



DIMENSIONS: MM (INCHES)

Additional Information

Click these links for more information:



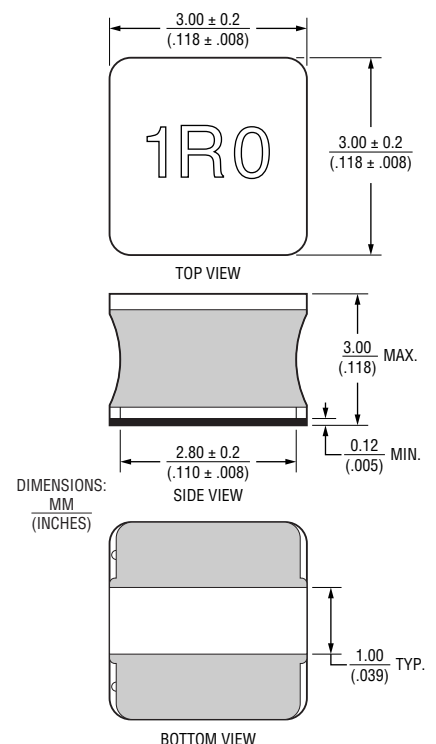
General Specifications

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

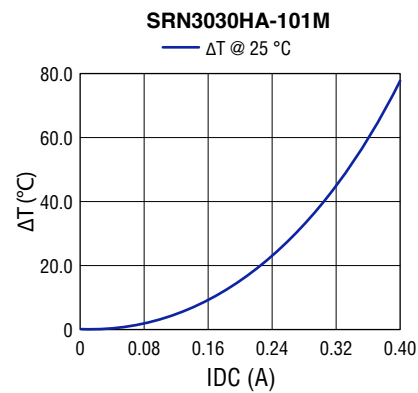
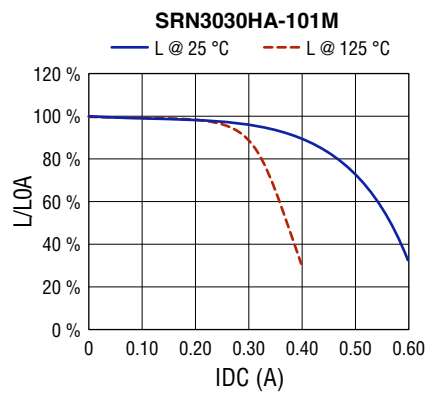
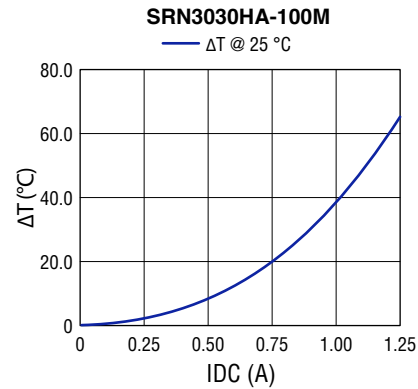
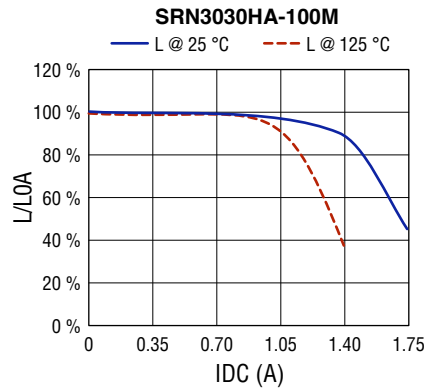
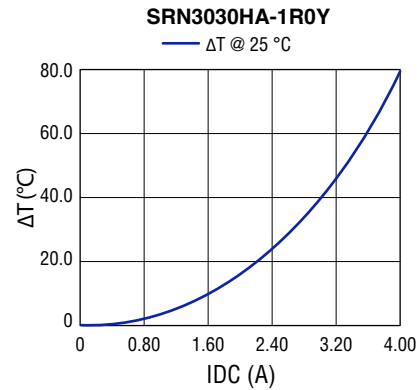
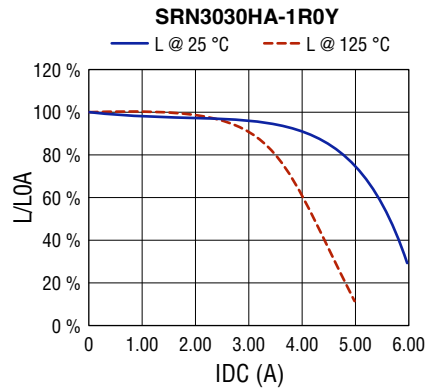
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if
(a) the Bromine (Br) content is 900 ppm or less;
(b) the Chlorine (Cl) content is 900 ppm or less; and
(c) the total Bromine (Br) and Chlorine (Cl) content
is 1500 ppm or less.

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Users should verify actual device performance in their
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SRN3030HA Series - Semi-shielded Power Inductors

BOURNS®

Inductance vs. IDC and Temperature Rise vs. IDC



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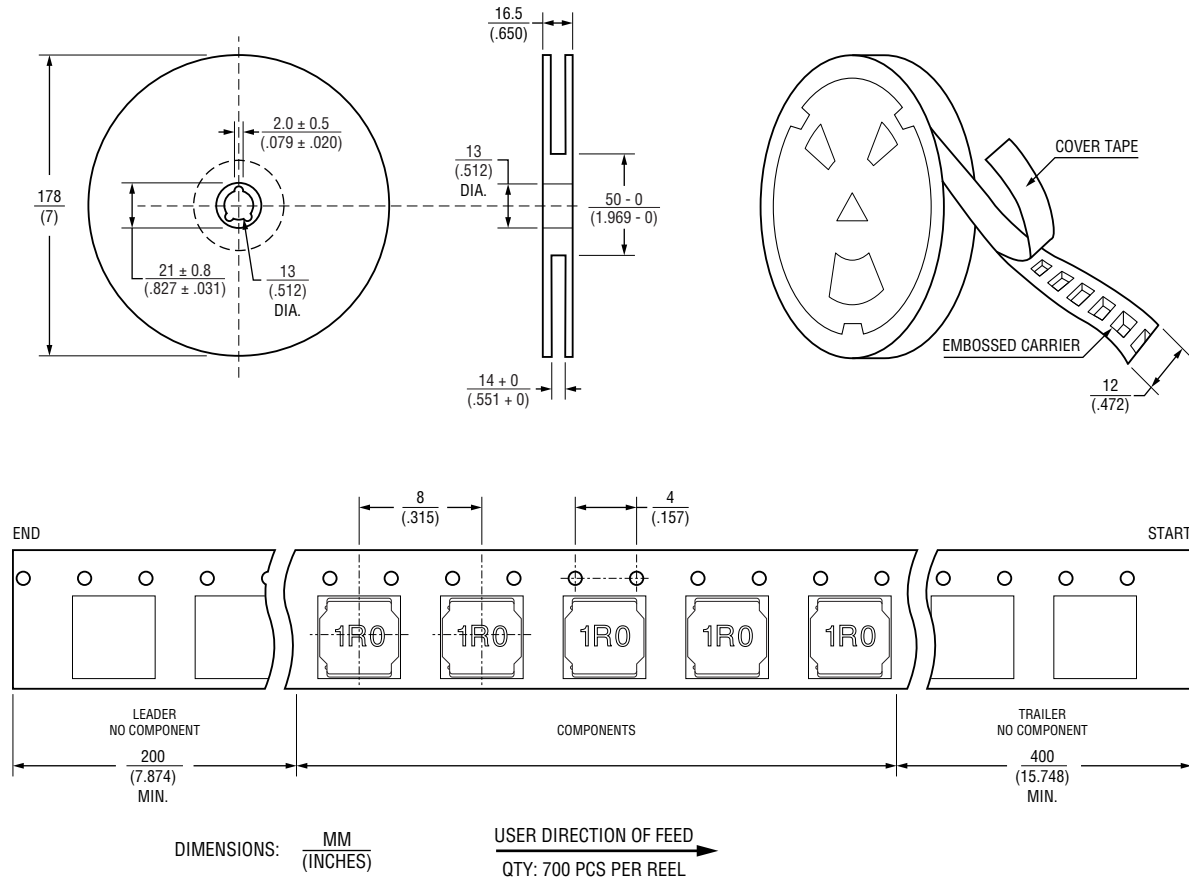
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SRN3030HA Series - Semi-shielded Power Inductors

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Packaging Specifications



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