

Features

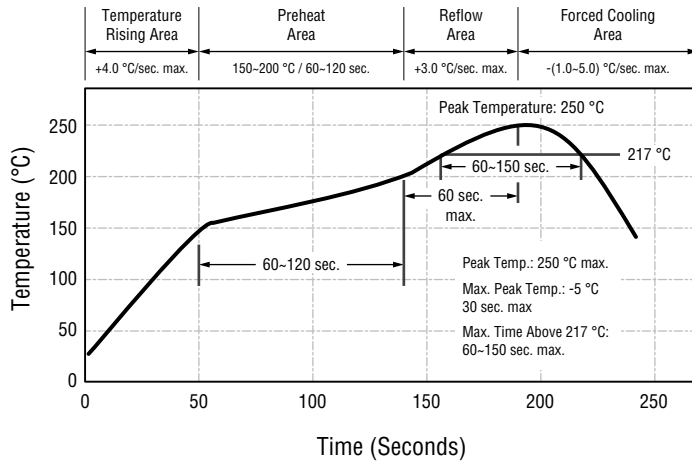
- Semi-shielded construction
- High operating temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRN3030HA Series - Semi-shielded Power Inductors

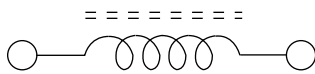
Electrical Specifications @ 25 °C

Bourns Part No.	Inductance @ 100 kHz / 0.1 V		Q Typ.	Q Test Freq. (MHz)	SRF (MHz) Typ.	DCR (mΩ) Max.	I _{rms} (A) Typ.	I _{sat} (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

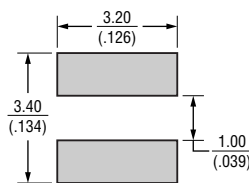


How to Order

SRN3030HA - 1R0Y

Model _____
Value Code (see table) _____

Recommended Layout



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

Additional Information

Click these links for more information:



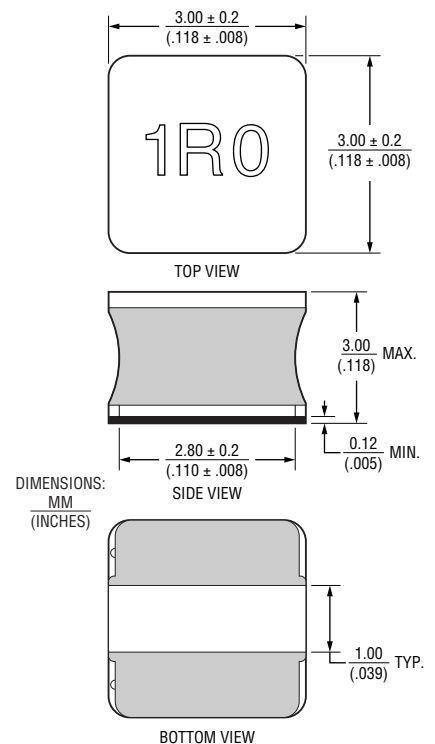
General Specifications

Operating Temperature -55 °C to +150 °C
(Temperature rise included)
Storage Temperature (Component) -55 °C to +150 °C
Temperature Rise 40 °C at rated I_{rms}
Rated Current Inductance drops 30 % at I_{sat}
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

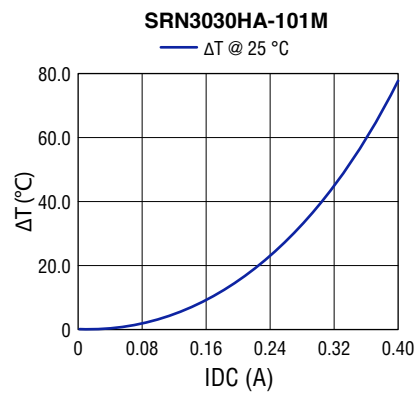
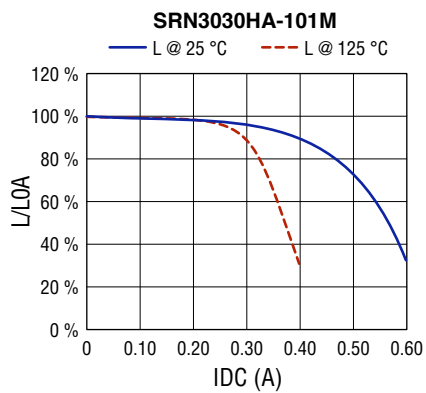
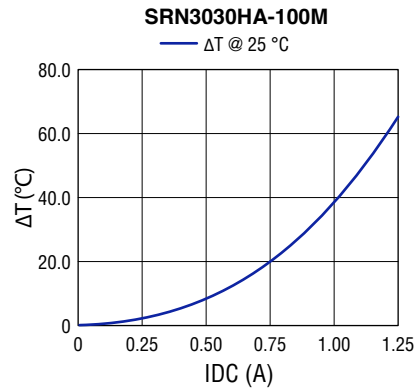
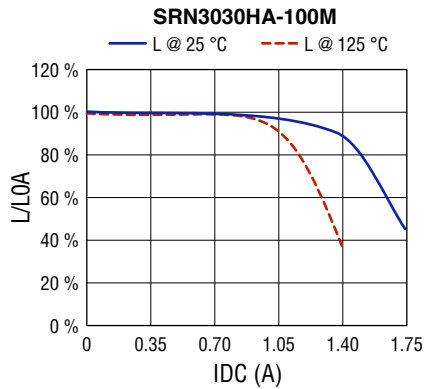
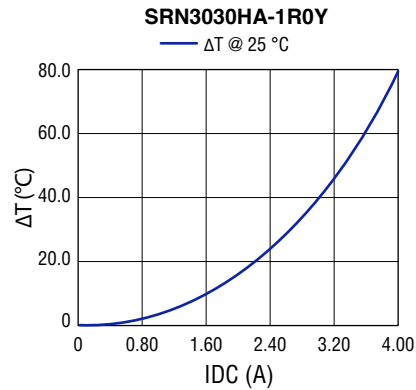
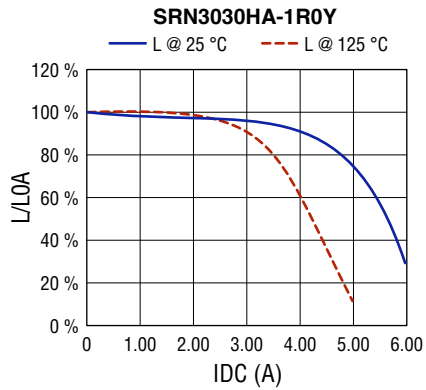
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if
(a) the Bromine (Br) content is 900 ppm or less;
(b) the Chlorine (Cl) content is 900 ppm or less; and
(c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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Users should verify actual device performance in their 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.

SRN3030HA Series - Semi-shielded Power Inductors

BOURNS®

Inductance vs. IDC and Temperature Rise vs. IDC



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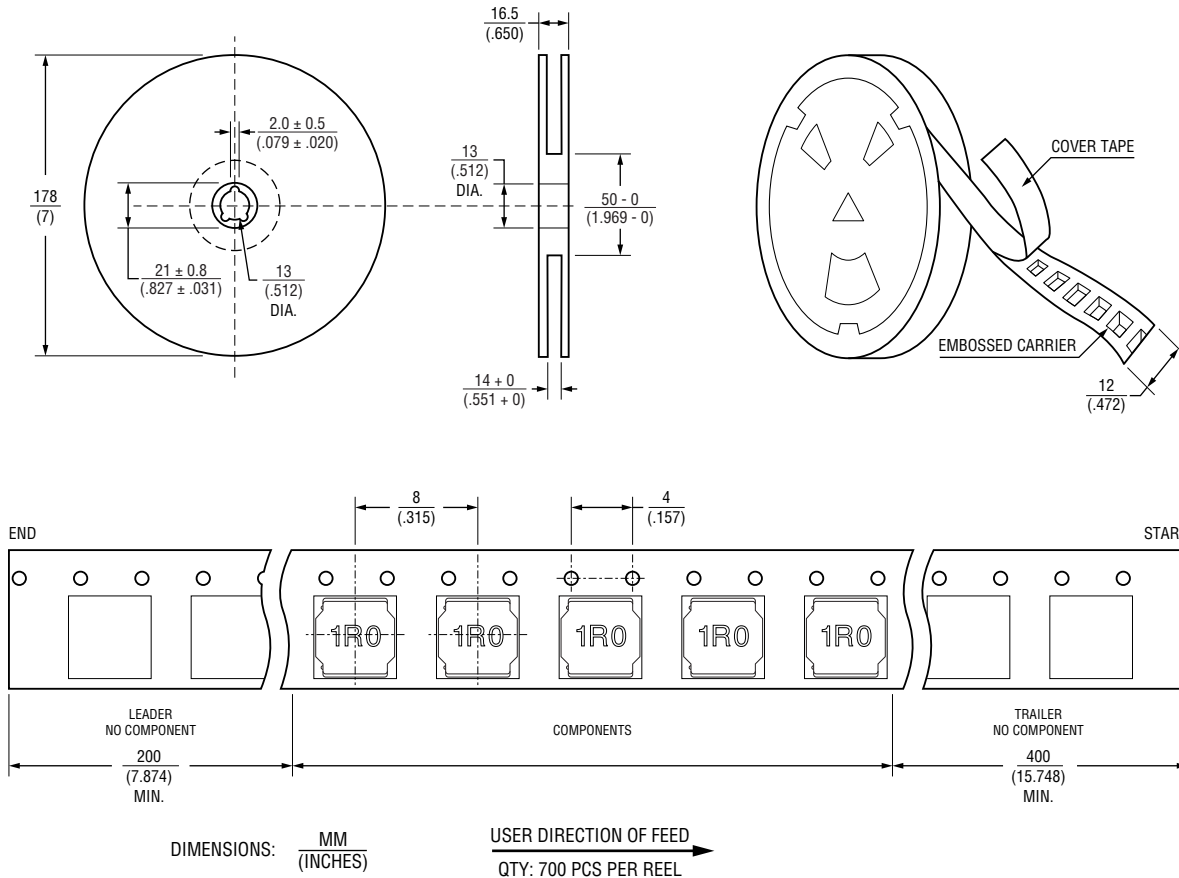
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SRN3030HA Series - Semi-shielded Power Inductors

BOURNS®

Packaging Specifications



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[SRR1050HA-R68Y](#) [SPB1012-R15Y](#) [SRP2512TMA-1R5M](#) [SRR1050HA-471Y](#) [SRP2512TMA-R47M](#) [SRR1050HA-470Y](#) [SRR1050HA-1R2Y](#) [SPB1005-R15M](#) [SPB1005-R12M](#) [SPB1012-R13Y](#) [SRP2510TMA-R22M](#) [SPB0705-R12M](#) [SRP2510TMA-2R2M](#) [SRP2010TMA-R24M](#) [SRP2012TMA-R47M](#) [SRR1050HA-8R2Y](#) [SRR1050HA-101Y](#) [SRP2510TMA-R33M](#) [SRR1050HA-390Y](#) [SRR1050HA-3R3Y](#)
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