

Features

- Semi-shielded construction
- Inductance range: 0.90 to 100 µH
- Rated current up to 4.6 A
- RoHS compliant* and halogen free**

Applications

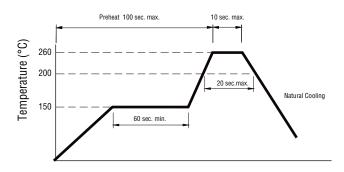
- DC/DC converters
- Notebook computers
- Digital video cameras
- HDDs
- Cellphones
- Televisions, LCD displays

SRN6028 Series - Semi-shielded Power Inductors

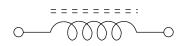
Electrical Specifications @ 25 °C

	Inductance @ 100 KHz / 1 V		Q	Test Freg.	SRF (MHz)	DCR (Ω)	Irms	Isat
Bourns Part No.	L (μH)	Tol. %	(Ref.)	(MHz)	Typ.	Max.	(A)	(A)
SRN6028-R90Y	0.90	30	12	7.96	105	0.017	4.6	6.7
SRN6028-1R5Y	1.5	30	12	7.96	70	0.021	4.2	5.1
SRN6028-2R2Y	2.2	30	12	7.96	56	0.026	3.7	4.2
SRN6028-3R0Y	3.0	30	12	7.96	46	0.03	3.4	3.6
SRN6028-3R3M	3.3	20	12	7.96	42	0.034	3.4	3.6
SRN6028-3R9M	3.9	20	10	7.96	35	0.038	3.0	2.7
SRN6028-4R7M	4.7	20	10	7.96	34	0.038	3.0	2.7
SRN6028-6R0M	6.0	20	10	7.96	28	0.048	2.5	2.5
SRN6028-6R2M	6.2	20	10	7.96	28	0.063	2.2	2.2
SRN6028-6R8M	6.8	20	10	7.96	27	0.063	2.2	2.2
SRN6028-100M	10	20	18	2.52	20	0.078	1.9	1.9
SRN6028-150M	15	20	14	2.52	17	0.114	1.8	1.6
SRN6028-220M	22	20	18	2.52	14	0.162	1.4	1.3
SRN6028-330M	33	20	11	2.52	10	0.264	1.1	1.1
SRN6028-470M	47	20	11	2.52	9	0.36	0.92	1.0
SRN6028-680M	68	20	11	2.52	7	0.51	0.77	0.8
SRN6028-101M	100	20	16	0.796	6	0.72	0.66	0.65

Soldering Profile



Electrical Schematic



How to Order

General Specifications

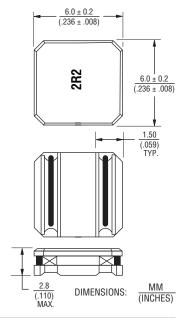
Operating Temperature

Temperature Rise40 °C at rated Irms Rated Current

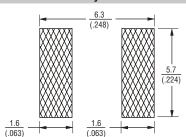
Materials

CoreFerrite
WireEnameled copper
Terminal FinishSn/Ag/Cu
CoatingMagnetic epoxy resin
Packaging 1000 pcs. per 13-inch reel

Product Dimensions



Recommended Layout





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

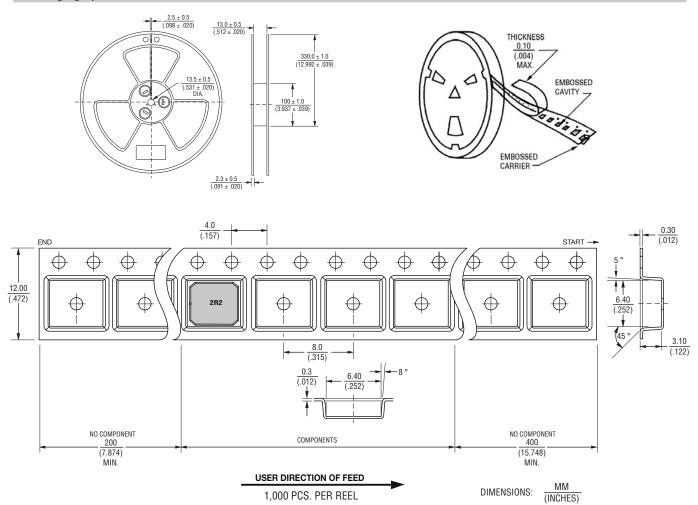
* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

**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

SRN6028 Series - Semi-shielded Power Inductors

BOURNS

Packaging Specifications



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