Features

- Semi-shielded construction
- Miniature size
- Component height 1.5 mm
- Inductance range: 1 to 100 µH
- Rated current up to 2.35 A
- RoHS compliant* and halogen free**

Applications

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

SRN3015 Series - Semi-shielded Power Inductors

Electrical Specifications @ 25 °C

Bourns Part No.	Inductance @ 0.1 V / 1 MHz		Q (Ref.)	Test Freq. (MHz)	DCR (Ω) Max.	SRF (MHz) Typ.	Irms (A)	Isat (A)
	L (µH)	Tol. %						
SRN3015-1R0Y	1.0	± 30	16	7.96	0.048	145	2.35	2.35
SRN3015-1R5Y	1.5	± 30	16	7.96	0.066	130	2.10	2.00
SRN3015-2R2M	2.2	± 20	15	7.96	0.072	90	1.80	1.65
SRN3015-3R3M	3.3	± 20	14	7.96	0.112	75	1.60	1.40
SRN3015-4R7M	4.7	± 20	14	7.96	0.136	65	1.40	1.20
SRN3015-6R8M	6.8	± 20	14	7.96	0.211	50	1.10	1.05
SRN3015-100M	10	± 20	16	7.96	0.276	45	1.00	0.88
SRN3015-150M	15	± 20	24	2.52	0.422	33	0.80	0.68
SRN3015-180M	18	± 20	25	2.52	0.546	30	0.65	0.62
SRN3015-220M	22	± 20	26	2.52	0.622	28	0.60	0.58
SRN3015-330M	33	± 20	32	2.52	0.959	22	0.50	0.46
SRN3015-470M	47	± 20	39	2.52	1.406	18	0.40	0.38
SRN3015-101M	100	± 20	44	2.52	2.920	11	0.29	0.27

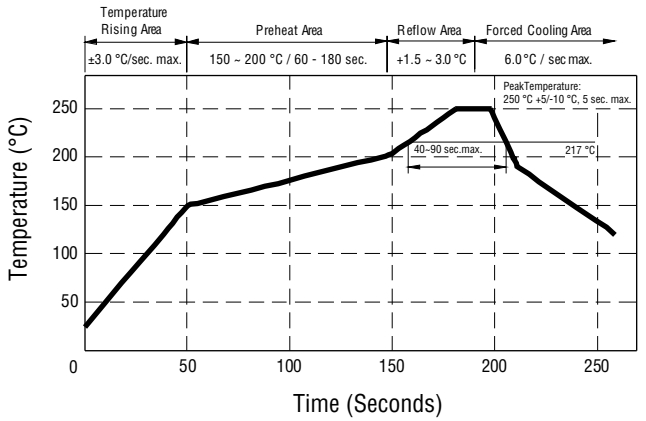
General Specifications

Operating Temperature
..... -40 °C to +125 °C
(Temperature rise included)
Storage Temperature .... -40 °C to +85 °C
Resistance to Solder Heat
.....+260 °C for 10 sec.
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..... 2000 pcs. per 7-inch reel

Soldering Profile



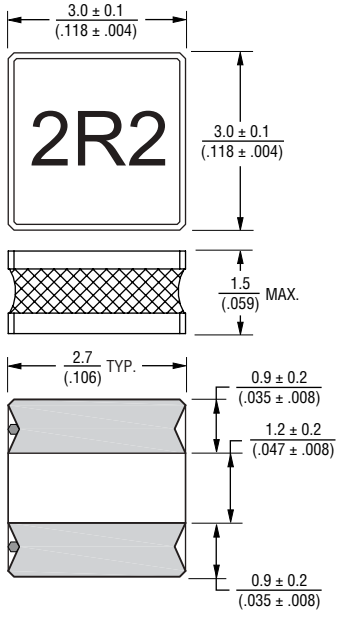
Peak Temperature: 255 ° max. Maximum Time Above 217 °C: 90 seconds

How to Order

SRN3015 - 100M

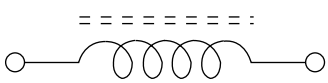
Model
Value Code (see table)

Product Dimensions

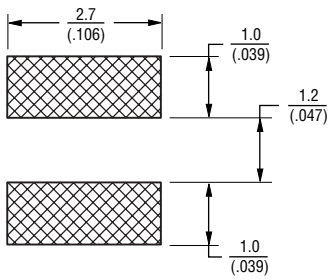


DIMENSIONS: MM / (INCHES)

Electrical Schematic



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.
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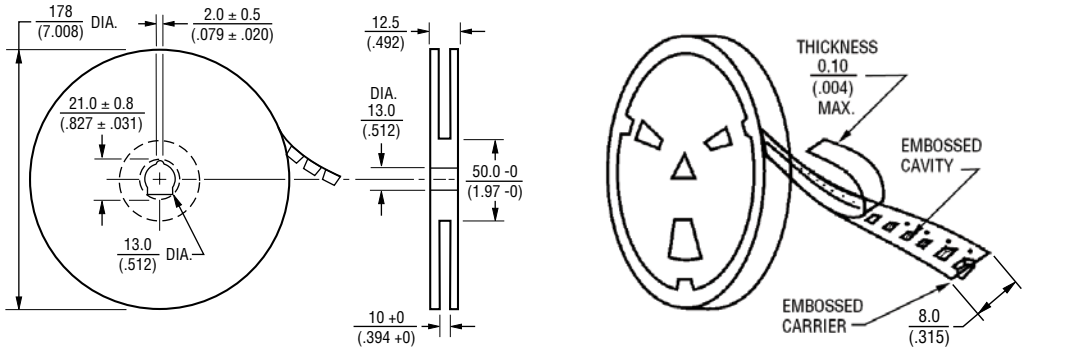
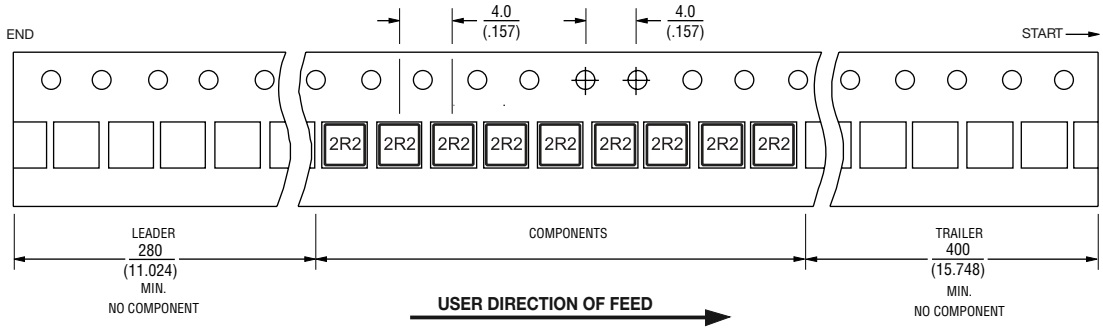
Packaging Specifications





QTY: 2000 PCS. PER REEL

DIMENSIONS: MM / (INCHES)

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Web Page: http://www.bourns.com/legal/disclaimers-terms-and-policies

PDF: http://www.bourns.com/docs/Legal/disclaimer.pdf

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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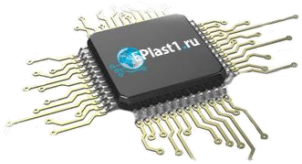
- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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