



Features

- Semi-shielded construction
- High rated current
- Component height: 4 mm
- Inductance range: 0.5 to 100 μ H
- Rated current up to 10 A
- RoHS compliant* and halogen free**

Applications

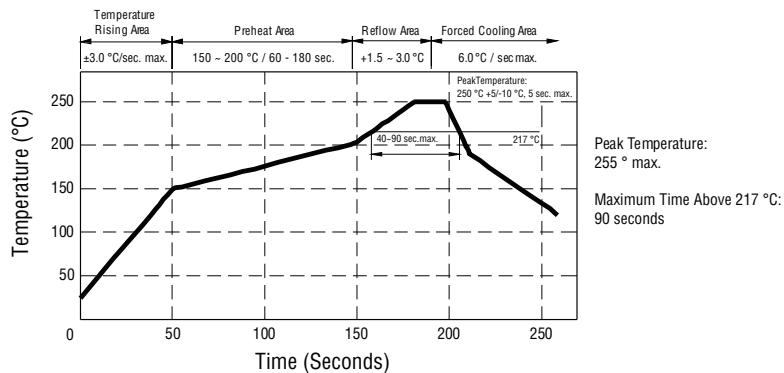
- DC/DC converters
- Notebook computers
- Digital video cameras
- HDDs
- Cell phones
- Televisions, LCD displays

SRN8040 Series - Semi-shielded Power Inductors

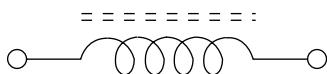
Electrical Specifications @ 25 °C

Bourns Part No.	Inductance @ 100 KHz / 1 V		Q (Ref.)	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (Ω) Max.	Irms (A)	Isat (A)
	L (μ H)	Tol. %						
SRN8040-R50Y	0.5	30	13	7.96	125	0.007	10	12
SRN8040-1R0Y	1.0	30	13	7.96	75	0.01	7.8	11
SRN8040-1R5Y	1.5	30	13	7.96	55	0.011	7	8.2
SRN8040-2R2Y	2.2	30	13	7.96	40	0.013	6.3	7.4
SRN8040-3R3Y	3.3	30	13	7.96	34	0.021	5.6	5.5
SRN8040-3R6Y	3.6	30	13	7.96	32	0.022	4.9	5.3
SRN8040-4R7Y	4.7	30	13	7.96	28	0.024	4.1	4.7
SRN8040-6R8Y	6.8	30	13	7.96	23	0.033	3.9	4.2
SRN8040-8R2Y	8.2	30	13	7.96	20	0.045	3.7	4
SRN8040-100M	10	20	20	2.52	18	0.05	3.1	3.4
SRN8040-150M	15	20	15	2.52	14	0.07	2.4	2.7
SRN8040-220M	22	20	20	2.52	12	0.1	2.2	2.2
SRN8040-330M	33	20	20	2.52	10	0.145	1.7	1.9
SRN8040-470M	47	20	15	2.52	9	0.19	1.4	1.5
SRN8040-680M	68	20	20	2.52	7	0.275	1.1	1.2
SRN8040-101M	100	20	10	0.796	6	0.4	1	1

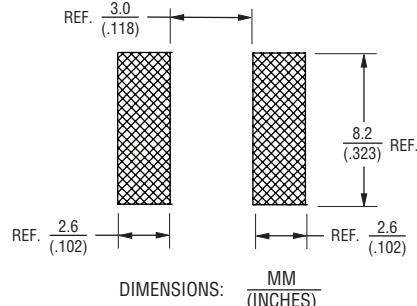
Soldering Profile



Electrical Schematic



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 follows the prevailing definition of "halogen free" in the industry. 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.

General Specifications

Operating Temperature

..... -40 °C to +125 °C
(Temperature rise included)

Storage Temperature .. -40 °C to +125 °C

Resistance to Solder Heat

..... +250 °C for 10 sec.

Temperature Rise 40 °C at rated Irms
Rated Current

..... Inductance drops 30 % at Isat

Materials

Core Ferrite
Wire Enamelled copper
Terminal Finish Sn/Ag/Cu
Coating Magnetic epoxy resin
Packaging 1000 pcs. per 13-inch reel

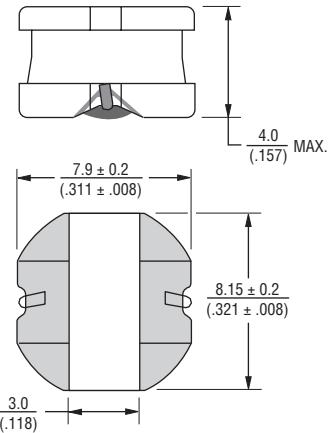
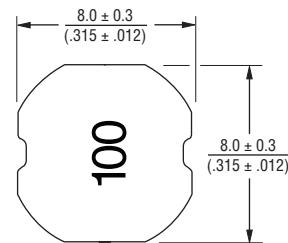
How to Order

SRN8040 - 100M

Model _____

Value Code (see table) _____

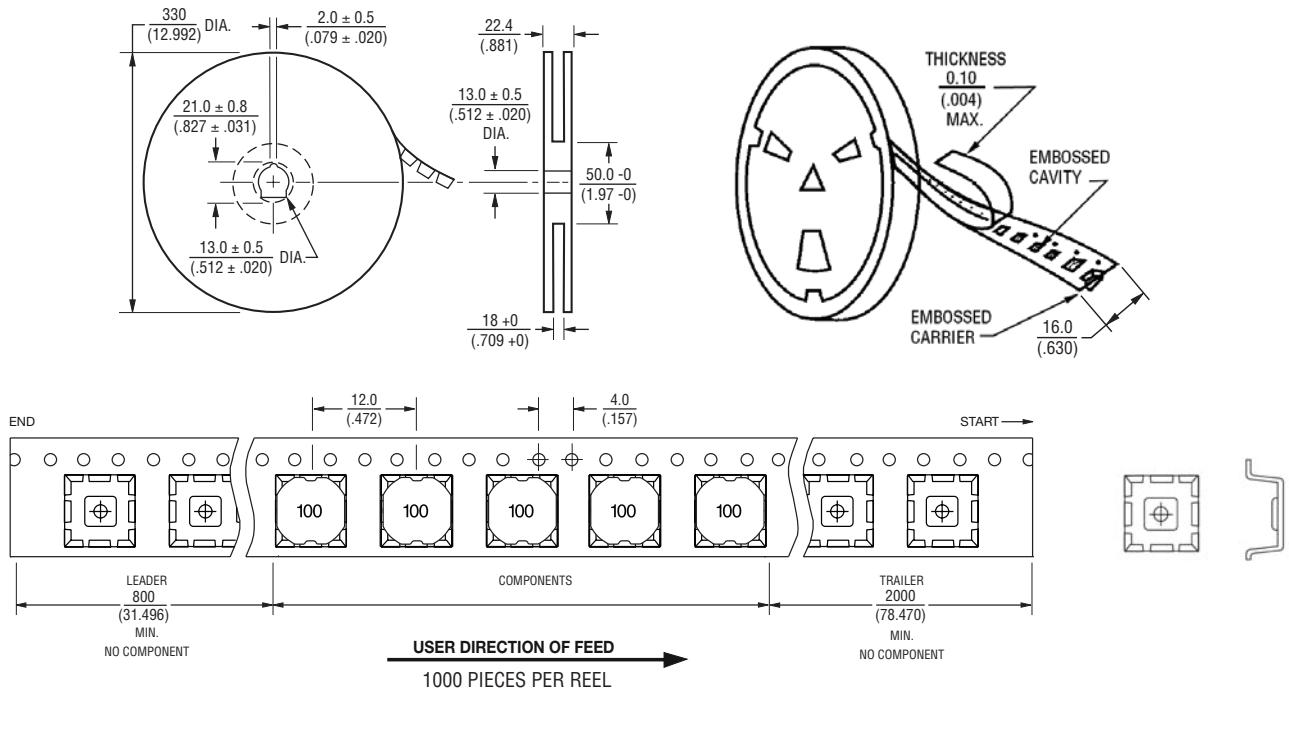
Product Dimensions



SRN8040 Series - Semi-shielded Power Inductors

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Packaging Specifications



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

BOURNS®

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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, помошь 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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