



Features

- Semi-shielded construction
- High inductance
- Inductance range: 10 to 470 μ H
- High rated current - up to 5.4 A
- RoHS compliant* and halogen free**

Applications

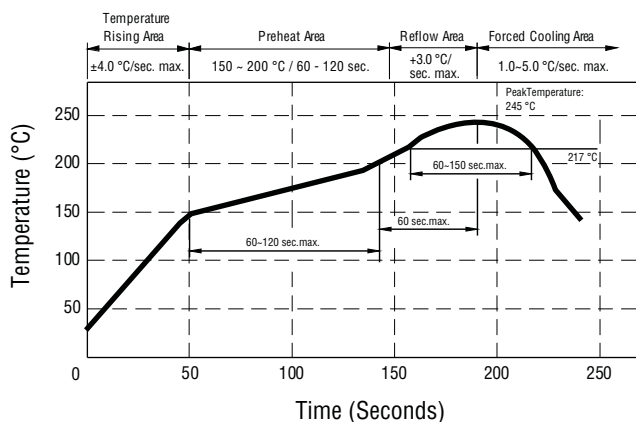
- DC/DC converters
- Notebook computers
- Digital video cameras
- Televisions, LCD displays

SRN1060 Series - Semi-shielded Power Inductors

Electrical Specifications @ 25 °C

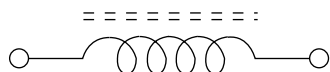
Bourns Part No.	Inductance @ 100 KHz / 1 V		Q (Ref.)	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (Ω) Max.	Irms (A)	Isat (A)
	L (μ H)	Tol. %						
SRN1060-100M	10	20	25	7.96	14	0.029	5.40	5.20
SRN1060-180M	18	20	25	7.96	10	0.043	3.85	3.80
SRN1060-220M	22	20	20	7.96	8	0.053	3.40	3.40
SRN1060-330M	33	20	16	2.52	7	0.072	3.15	2.80
SRN1060-470M	47	20	16	2.52	6	0.11	2.50	2.30
SRN1060-101M	100	20	13	2.52	4	0.21	1.70	1.70
SRN1060-151M	150	20	13	2.52	3.5	0.30	1.25	1.35
SRN1060-221M	220	20	13	2.52	3	0.46	1.00	1.20
SRN1060-331M	330	20	13	2.52	2.5	0.62	0.90	0.90
SRN1060-471M	470	20	13	0.796	2	0.95	0.80	0.80

Soldering Profile

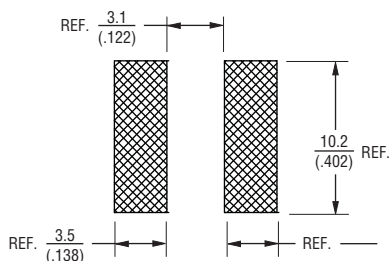


Peak Temperature: 245 ° $\pm$ 5 °C max., 30 sec. max.
Maximum Time Above 217 °C: 60-150 seconds

Electrical Schematic



Recommended Layout



General Specifications

Operating Temperature -40 °C to +125 °C
(Temperature rise included)
Storage Temperature .. -40 °C to +125 °C
Resistance to Solder Heat +245 °C for 10 sec.
Temperature Rise 40 °C at rated Irms
Rated Current Inductance drops 30 % at Isat

Materials

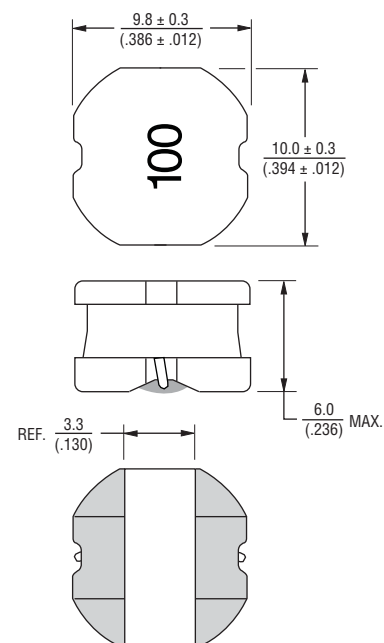
Core Ferrite
Wire Enameled copper
Terminal Finish Sn/Ag/Cu
Coating Magnetic epoxy resin
Packaging 600 pcs. per 13-inch reel

How to Order

SRN1060 - 100M

Model
Value Code (see table)

Product Dimensions



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



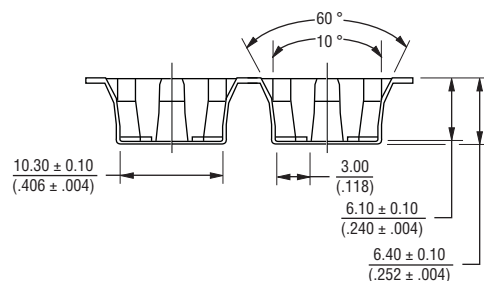
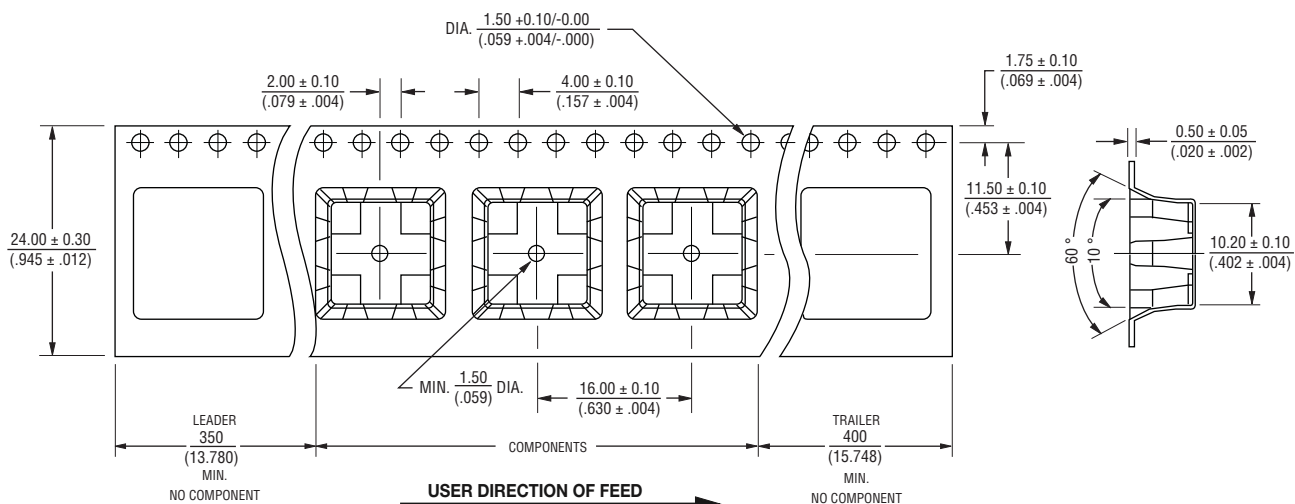
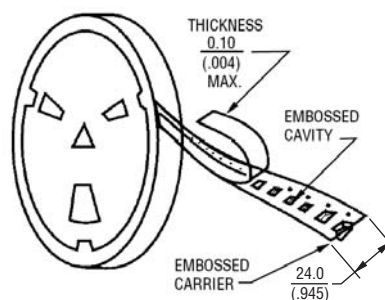
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* 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.

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BOURNS®



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

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