

### **Features**

- Semi-shielded construction
- Inductance range: 1 to 220 µH
- Rated current up to 3 A
- RoHS compliant\* and halogen free\*\*

## **Applications**

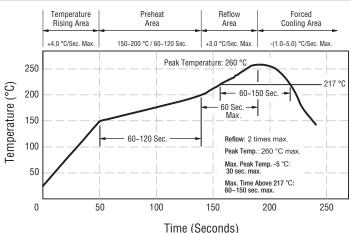
- DC/DC converters
- Notebook computers
- Digital video cameras
- HDDs
- Cellphones
- Televisions, LCD displays

# **SRN4026 Series - Semi-shielded Power Inductors**

### Electrical Specifications @ 25 °C

	Inductance @ 100 KHz / 1 V		Q	Test Freq.	SRF (MHz)	DCR (Ω)	Irms	Isat
Bourns Part No.	<b>L (μH)</b>	Tol. %	(Ref.)	(MHz)	Typ.	Max.	(A)	(A)
SRN4026-1R0Y	1.0	30	9	7.96	100	0.016	3	3
SRN4026-1R2Y	1.2	30	9	7.96	80	0.024	2.75	2.75
SRN4026-2R2Y	2.2	30	9	7.96	60	0.029	2.1	2.1
SRN4026-3R3M	3.3	20	9	7.96	50	0.036	1.6	1.6
SRN4026-4R7M	4.7	20	9	7.96	40	0.048	1.4	1.4
SRN4026-6R8M	6.8	20	9	7.96	28	0.084	1.2	1.2
SRN4026-100M	10	20	11	7.96	26	0.102	0.97	0.97
SRN4026-150M	15	20	11	2.52	21	0.144	0.77	0.77
SRN4026-220M	22	20	11	2.52	16	0.234	0.67	0.67
SRN4026-330M	33	20	16	2.52	13	0.366	0.5	0.5
SRN4026-470M	47	20	19	2.52	10	0.594	0.4	0.4
SRN4026-680M	68	20	19	2.52	9	0.852	0.35	0.35
SRN4026-101M	100	20	30	0.796	7	1.2	0.3	0.3
SRN4026-151M	150	20	30	0.796	6	1.92	0.22	0.22
SRN4026-221M	220	20	30	0.796	4	2.76	0.2	0.2

### **Soldering Profile**



### **Electrical Schematic**

### How to Order



### 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 <a href="https://www.bourns.com/docs/legal/disclaimer.pdf">www.bourns.com/docs/legal/disclaimer.pdf</a>

### **General Specifications**

Operating Temperature

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

Storage Temperature (Component) .....-40 °C to +125 °C

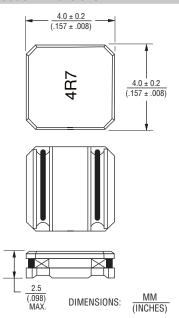
Resistance to Solder Heat

.....+260 °C for 10 sec. Temperature Rise .....40 °C at rated Irms Rated Current

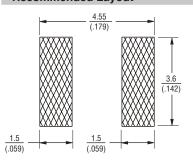
#### **Materials**

Core ......Ferrite
Wire ......Enameled copper
Terminal Finish .....Sn/Ag/Cu
Coating .....Magnetic epoxy resin
Packaging .... 3000 pcs. per 13-inch reel

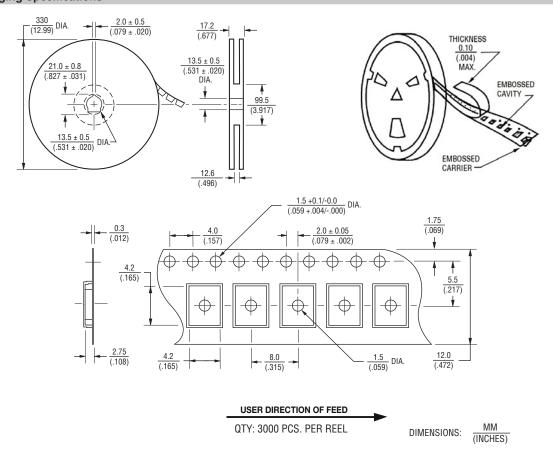
### **Product Dimensions**



### **Recommended Layout**



### **Packaging Specifications**



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