

### **Features**

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

# **Applications**

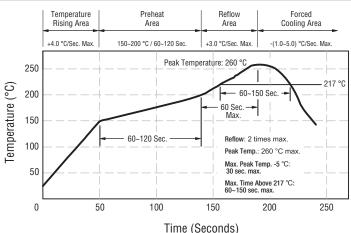
- DC/DC converters
- Notebook computers
- Digital video cameras
- HDDs
- Cellphones
- Televisions, LCD displays

# **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.

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#### **General Specifications**

Operating Temperature

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

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

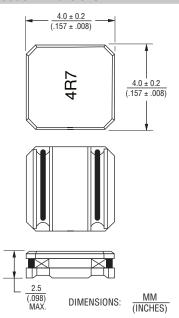
Resistance to Solder Heat

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

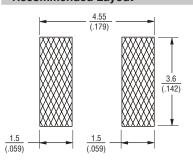
#### **Materials**

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

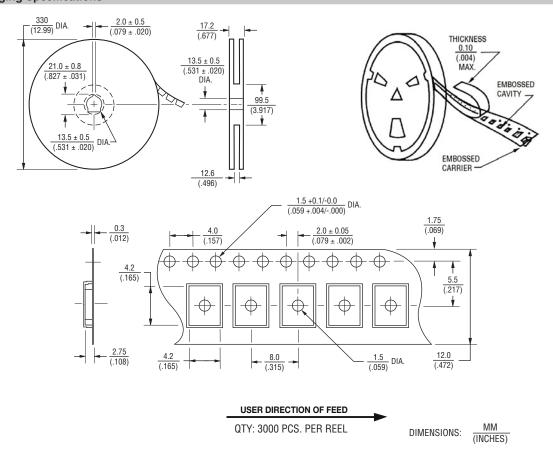
#### **Product Dimensions**



## **Recommended Layout**



# **Packaging Specifications**



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