



Features

- Semi-shielded construction
- Inductance range: 1 to 220 μ H
- 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

Bourns Part No.	Inductance @ 100 KHz / 1 V		Q (Ref.)	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (Ω) Max.	I _{rms} (A)	I _{sat} (A)
	L (μ H)	Tol. %						
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

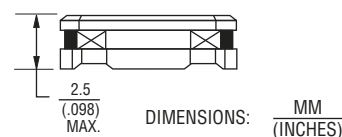
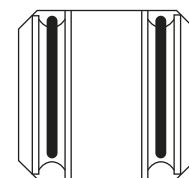
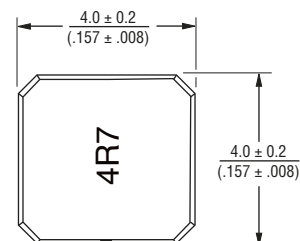
General Specifications

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 I_{rms}
 Rated Current Inductance drops 30 % at I_{sat}
 Moisture Sensitivity Level 1
 ESD Classification (HBM) N/A

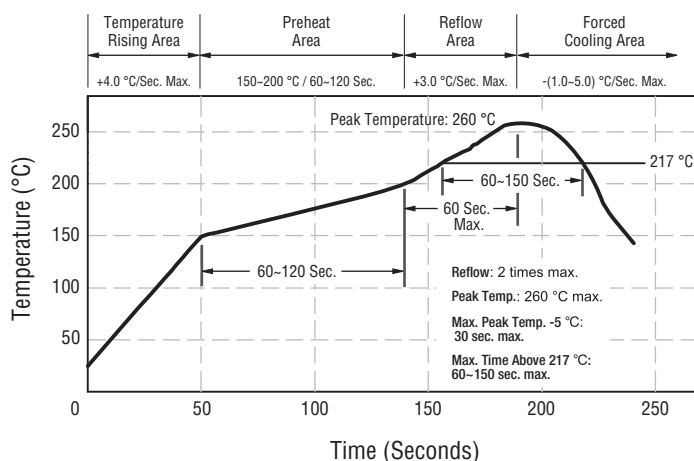
Materials

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

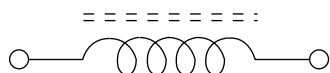
Product Dimensions



Soldering Profile



Electrical Schematic



How to Order

SRN4026 - 4R7M

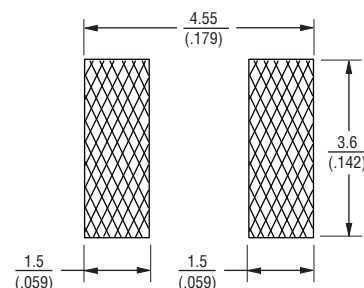
Model _____
 Value Code (see table) _____



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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Recommended Layout



BOURNS®

Technical drawing of a 3.5mm floppy disk, showing top, side, and detail views with dimensions in millimeters (mm) and inches (inches).

Top View Dimensions:

- Outer Diameter: 330 ± 0.5 mm ($12.99 \pm .020$)
- Inner Diameter: 21.0 ± 0.8 mm ($.827 \pm .031$)
- Inner Diameter: 13.5 ± 0.5 mm ($.531 \pm .020$)
- Inner Diameter: 17.2 mm ($.677$)
- Inner Diameter: 13.5 ± 0.5 mm ($.531 \pm .020$)
- Inner Diameter: 12.6 mm ($.496$)

Side View Dimensions:

- Thickness: 0.10 mm ($.004$) MAX.
- Embossed Carrier: 99.5 mm (3.917)

Detail View Dimensions:

- Outer Diameter: $1.5 \pm 0.1/-0.0$ mm ($.059 \pm .004/-0.000$)
- Inner Diameter: 2.0 ± 0.05 mm ($.079 \pm .002$)
- Inner Diameter: 1.5 mm ($.059$)
- Inner Diameter: 12.0 mm ($.472$)
- Inner Diameter: 5.5 mm ($.217$)
- Inner Diameter: 4.2 mm ($.165$)
- Inner Diameter: 4.2 mm ($.165$)
- Inner Diameter: 8.0 mm ($.315$)
- Inner Diameter: 2.75 mm ($.108$)
- Inner Diameter: 0.3 mm ($.012$)

USER DIRECTION OF FEED →

QTY: 3000 PCS. PER REEL

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

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.