



Features

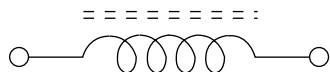
- Semi-shielded construction
- Inductance range: 1 to 22 μH
- Rated current up to 2.1 A
- AEC-Q200 qualified
- Low profile: 1.0 mm max.
- RoHS compliant* and halogen free**

SRN3010TA Series - Semi-shielded Power Inductors

Electrical Specifications @ 25 °C

Bourns Part No.	Inductance @ 1 MHz / 0.1 V		Q @ 1 MHz Min.	SRF (MHz) Typ.	DCR (Ω) $\pm 20\%$	I _{rms} (A) Typ.	Isat (A) Typ.
	L (μH)	Tol. %					
SRN3010TA-1R0Y	1.0	± 30	10	170	0.055	2.1	1.8
SRN3010TA-1R5Y	1.5	± 30	12	150	0.07	1.9	1.5
SRN3010TA-2R2M	2.2	± 20	15	100	0.09	1.7	1.3
SRN3010TA-3R3M	3.3	± 20	18	85	0.13	1.5	1.1
SRN3010TA-4R7M	4.7	± 20	20	80	0.17	1.3	0.9
SRN3010TA-6R8M	6.8	± 20	20	55	0.26	1	0.77
SRN3010TA-100M	10	± 20	22	40	0.35	0.8	0.63
SRN3010TA-150M	15	± 20	22	35	0.51	0.7	0.54
SRN3010TA-220M	22	± 20	22	30	0.75	0.6	0.43

Electrical Schematic

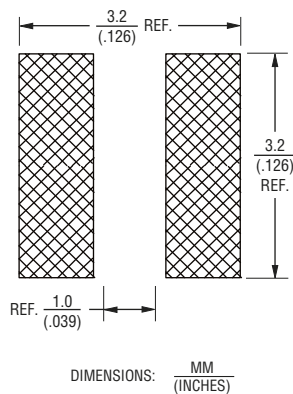


How to Order

SRN3010TA - 2R2M

Model _____
 Value Code (see table) _____

Recommended Layout



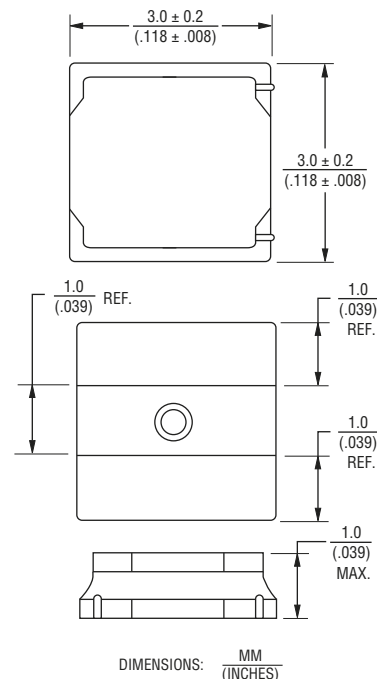
General Specifications

Operating Temperature -40 °C to +125 °C
 (Temperature rise included)
 Storage Temperature (Component) -40 °C to +125 °C
 Temperature Rise 40 °C at rated I_{rms}
 Rated Current Inductance drops 30 % at Isat
 Moisture Sensitivity Level 1
 ESD Classification (HBM) N/A

Materials

Core Ferrite
 Wire Enamelled copper
 Terminal Finish Sn
 Coating Magnetic epoxy resin
 Packaging 2000 pcs. per 7-inch reel

Product Dimensions



Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116
EMEA: Tel: +36 88 520 390 • Fax: +36 88 520 211
The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700
www.bourns.com



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

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** 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.

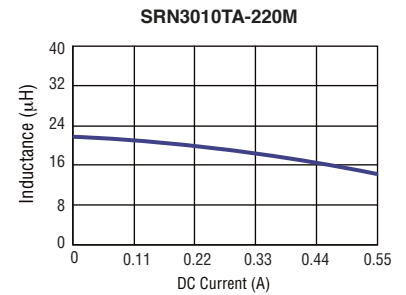
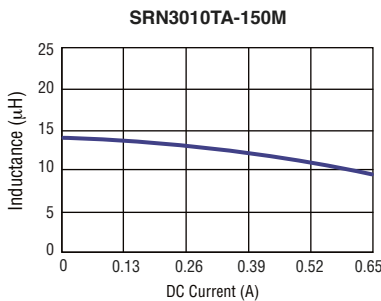
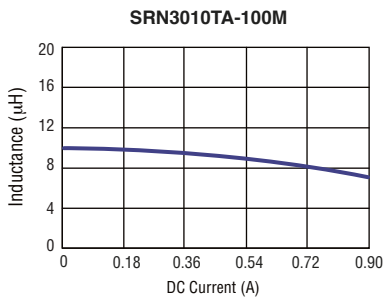
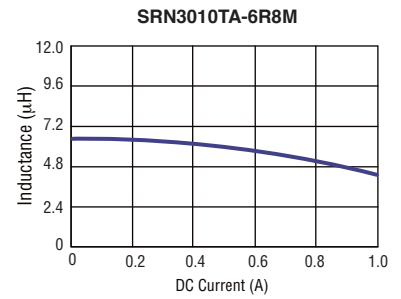
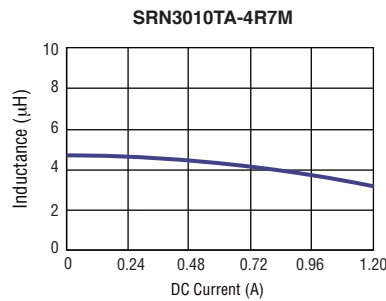
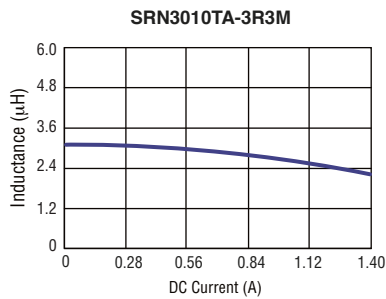
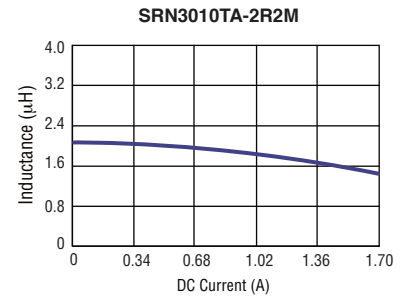
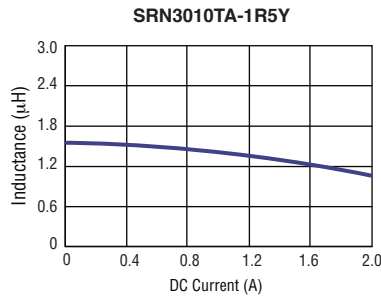
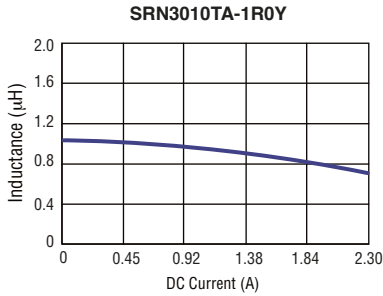
Users should verify actual device performance in their specific applications.

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SRN3010TA Series - Semi-shielded Power Inductors

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Inductance vs. Current



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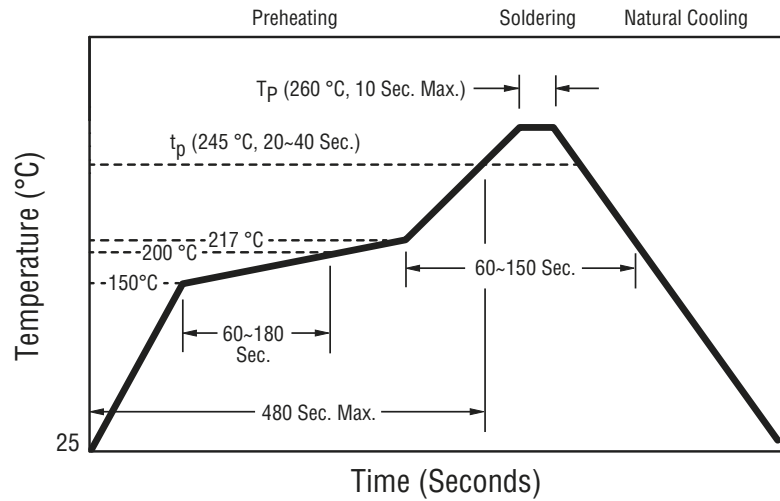
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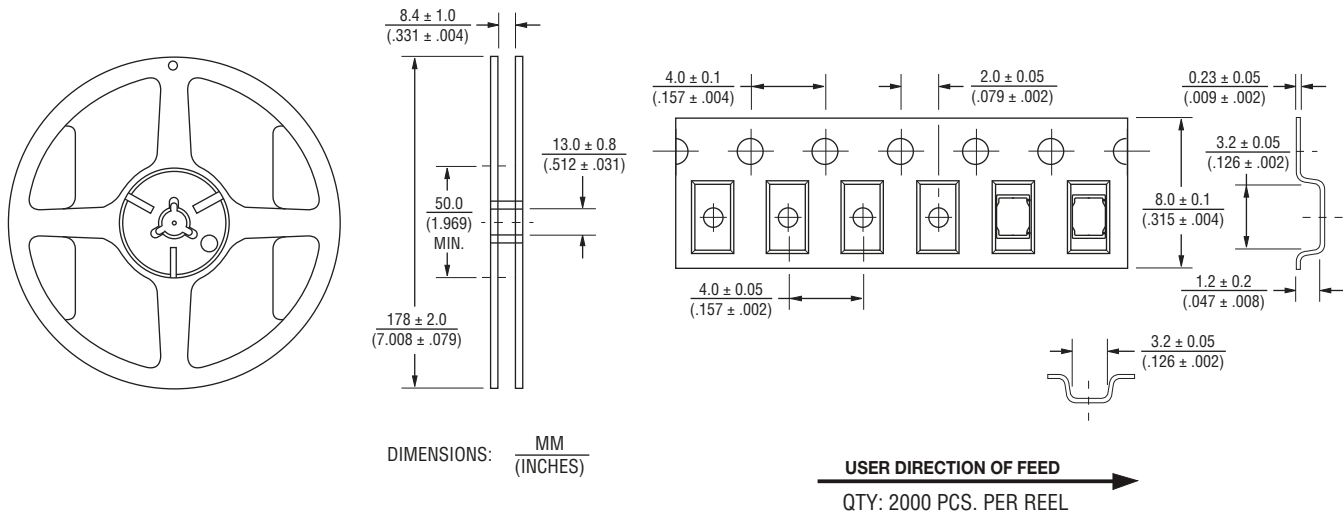
SRN3010TA Series - Semi-shielded Power Inductors

BOURNS®

Soldering Profile



Packaging Specifications



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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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