



Features

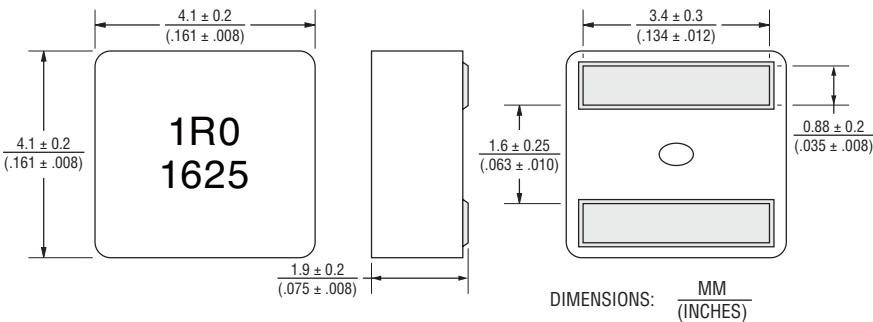
- Shielded construction
- Metal alloy powder core
- High saturation current
- Flat wire
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRP4020FA Series – Shielded Power Inductors

Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 kHz / 1 V		Q Min.	SRF (MHz) Typ.	DCR (mΩ) Typ.	DCR (mΩ) Max.	I rms (A) Typ.		I sat (A) Typ.		
	L (μH)	Tol. %					20 °C Temp. Rise	40 °C Temp. Rise	10 % L Drop	20 % L Drop	30 % L Drop
SRP4020FA-R47M	0.47	± 20 %	30	90	6.0	6.8	9.8	13.2	7.0	10.0	14.0
SRP4020FA-R68M	0.68	± 20 %	20	73	7.3	8.2	9.2	12.0	5.2	8.0	11.6
SRP4020FA-R82M	0.82	± 20 %	20	62	8.6	9.5	8.5	11.5	4.8	6.5	10.2
SRP4020FA-1R0M	1.0	± 20 %	20	56	10.6	11.7	8.0	11.0	4.5	5.4	9.2
SRP4020FA-1R2M	1.2	± 20 %	20	53	12.2	13.4	7.2	9.5	4.3	5.0	8.6
SRP4020FA-1R5M	1.5	± 20 %	20	45	14.4	15.8	6.7	9.1	4.1	4.5	7.5
SRP4020FA-2R0M	2.0	± 20 %	15	40	21.15	23.3	6.2	8.2	3.2	4.0	6.2
SRP4020FA-2R2M	2.2	± 20 %	15	38	21.35	23.5	6.0	8.0	3.1	3.8	6.0
SRP4020FA-3R3M	3.3	± 20 %	15	26	34.2	38.3	4.4	5.5	2.7	3.4	5.3
SRP4020FA-4R7M	4.7	± 20 %	15	25	52.0	57.2	3.8	5.1	2.0	2.7	4.0

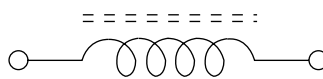
Product Dimensions



How to Order

Model SRP4020FA - 1R0M
 Value Code (see table) _____

Schematic



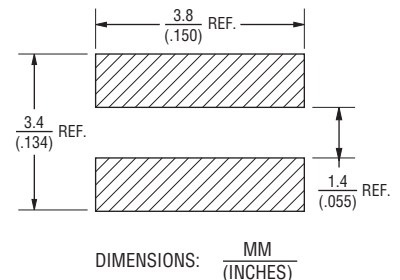
General Specifications

Operating Temperature -55 °C to +155 °C
 (Temperature rise included)
 Storage Temperature (Component) -55 °C to +155 °C
 Rated Current Inductance drops
 10, 20 or 30 % at Isat
 Temperature Rise 20 or 40 °C
 at rated Irms¹
 MSL 1
 ESD Classification (HBM) N/A
 Note 1: Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

Materials

Core Metal alloy powder
 Wire Enameled copper
 Terminal Finish Sn
 Packaging 3000 pcs. per 13-inch reel

Recommended Layout



Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 520 390 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com



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

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

**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.

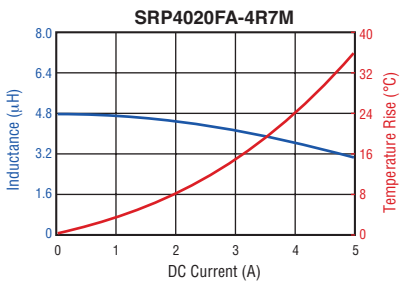
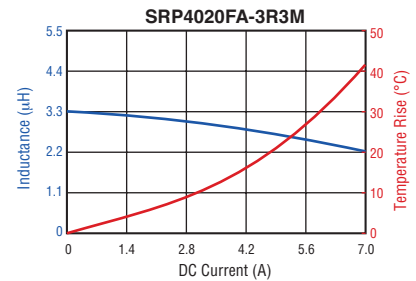
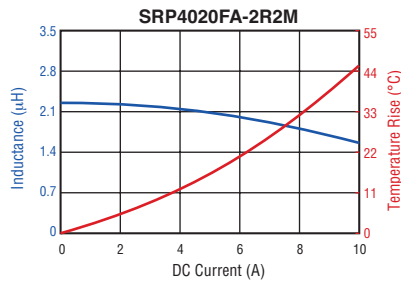
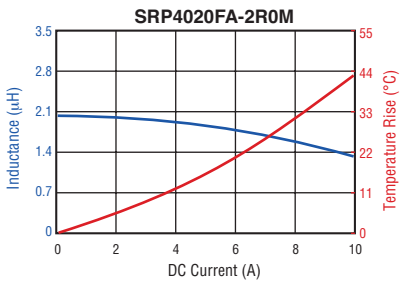
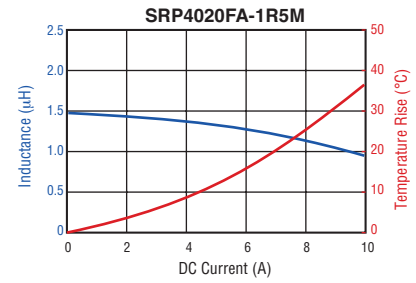
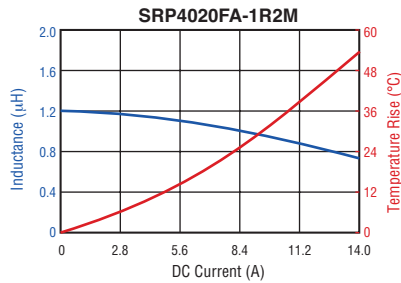
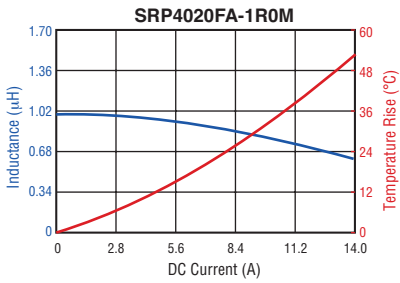
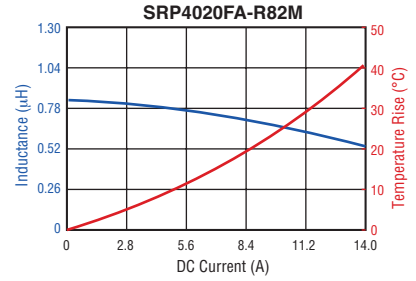
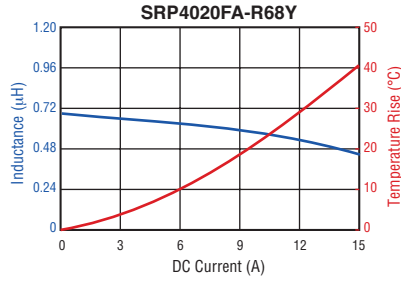
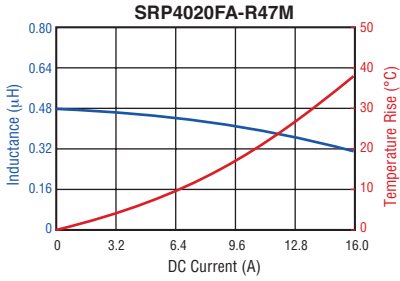
Users should verify actual device performance in their specific applications.

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SRP4020FA Series – Shielded Power Inductors



L vs. I Charts



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Web Page: <http://www.bourns.com/legal/disclaimers-terms-and-policies>

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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

Мы предлагаем:

- 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.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- 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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