



Features

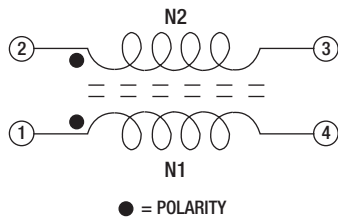
- Current rating up to 1.6 A
- Inductance range: 10 to 6500 μ H
- Frequency up to 300 MHz
- Dimensions: 9.2 x 6 x 5 mm
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRF0905A Series - Line Filter

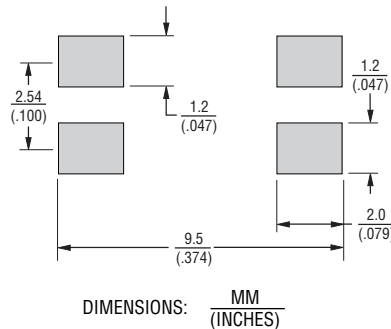
Electrical Specifications @ 25 °C

| Bourns Part Number | Inductance | | | DCR (Ω) Max. | Rated Voltage (Vdc) | I rms (A) | Freq. Range (MHz) | Imped. (Ω) Min. |
|--------------------|--------------|----------|---------------------|-----------------------|---------------------|-----------|-------------------|--------------------------|
| | L (μ H) | Tol. (%) | Test Freq./ Voltage | | | | | |
| SRF0905A-100Y | 10 | ± 30 | 1 kHz / 0.1 V | 0.08 | 80 | 1.6 | 20 - 300 | 200 |
| SRF0905A-250Y | 25 | ± 30 | 1 kHz / 0.1 V | 0.16 | 80 | 1.0 | 20 - 150 | 600 |
| SRF0905A-400Y | 40 | ± 30 | 1 kHz / 0.1 V | 0.25 | 80 | 0.9 | 20 - 100 | 800 |
| SRF0905A-500Y | 50 | ± 30 | 1 kHz / 0.1 V | 0.32 | 80 | 0.8 | 20 - 100 | 1500 |
| SRF0905A-251Y | 250 | ± 50 | 100 kHz / 5 mV | 0.13 | 80 | 1.2 | 3 - 20 | 600 |
| SRF0905A-471Y | 470 | ± 50 | 100 kHz / 5 mV | 0.14 | 80 | 1.1 | 2 - 20 | 1000 |
| SRF0905A-501Y | 500 | ± 50 | 100 kHz / 5 mV | 0.15 | 80 | 1.0 | 1 - 20 | 1000 |
| SRF0905A-102Y | 1000 | ± 50 | 100 kHz / 5 mV | 0.31 | 80 | 0.8 | 1 - 15 | 1500 |
| SRF0905A-202Y | 2000 | ± 50 | 100 kHz / 5 mV | 0.42 | 80 | 0.6 | 1 - 5 | 3000 |
| SRF0905A-472Y | 4700 | ± 50 | 100 kHz / 5 mV | 0.9 | 80 | 0.4 | 0.3 - 3 | 4000 |
| SRF0905A-652Y | 6500 | ± 50 | 100 kHz / 5 mV | 1.05 | 80 | 0.3 | 0.3 - 2 | 5000 |

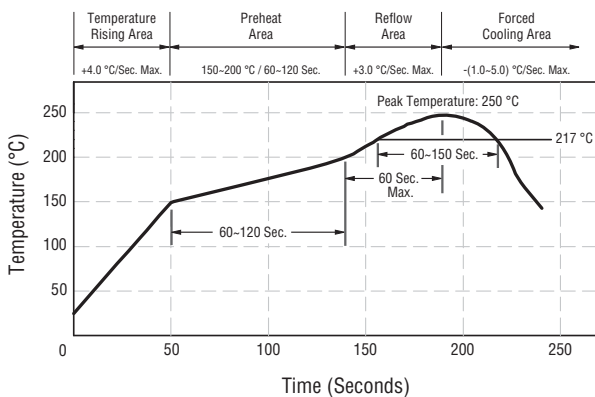
Electrical Schematic



Recommended Layout



Soldering Profile



Peak Temperature: 250 °C max.
 Max. Peak Temperature -5 °C: 30 sec. max.
 Max. Time Above 217 °C: 90-150 sec. max.

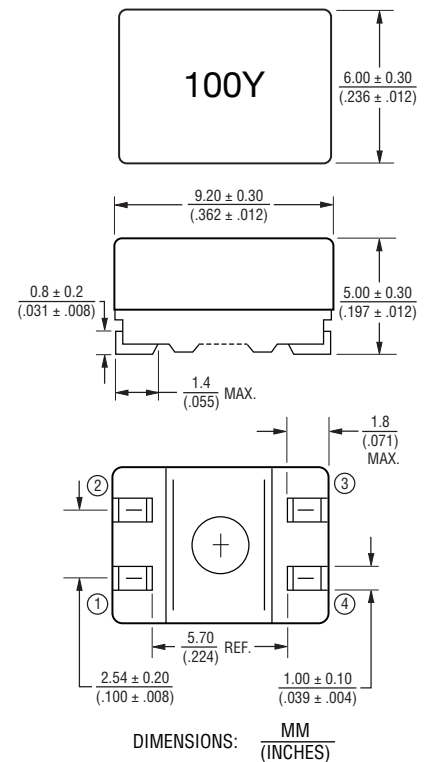
General Specifications

Operating Temperature -40 °C to +105 °C
 (Temperature rise included)
 Storage Temperature -40 °C to +105 °C
 Resistance to Solder Heat +250 °C for 10 sec.
 Temperature Rise 45 °C typ. at rated I rms
 Hi-Pot 500 VAC, 60 Hz,
 3 mA max. for 3 seconds

Materials

Core Ferrite, toroid
 Wire Enameled copper
 Terminal Finish Sn
 Packaging 1000 pcs. per reel

Product Dimensions



How to Order

SRF0905A - 100Y

Model _____
 Value Code (see table) _____



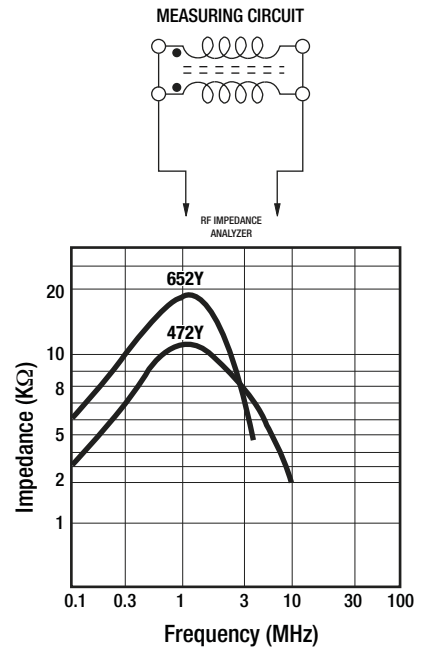
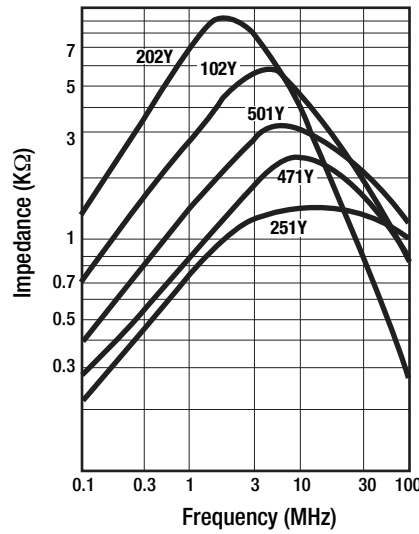
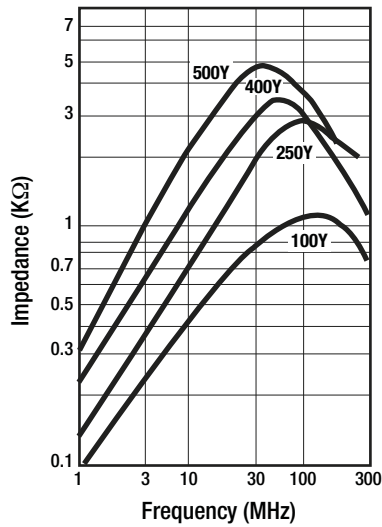
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

* 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.
 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 www.bourns.com/docs/legal/disclaimer.pdf

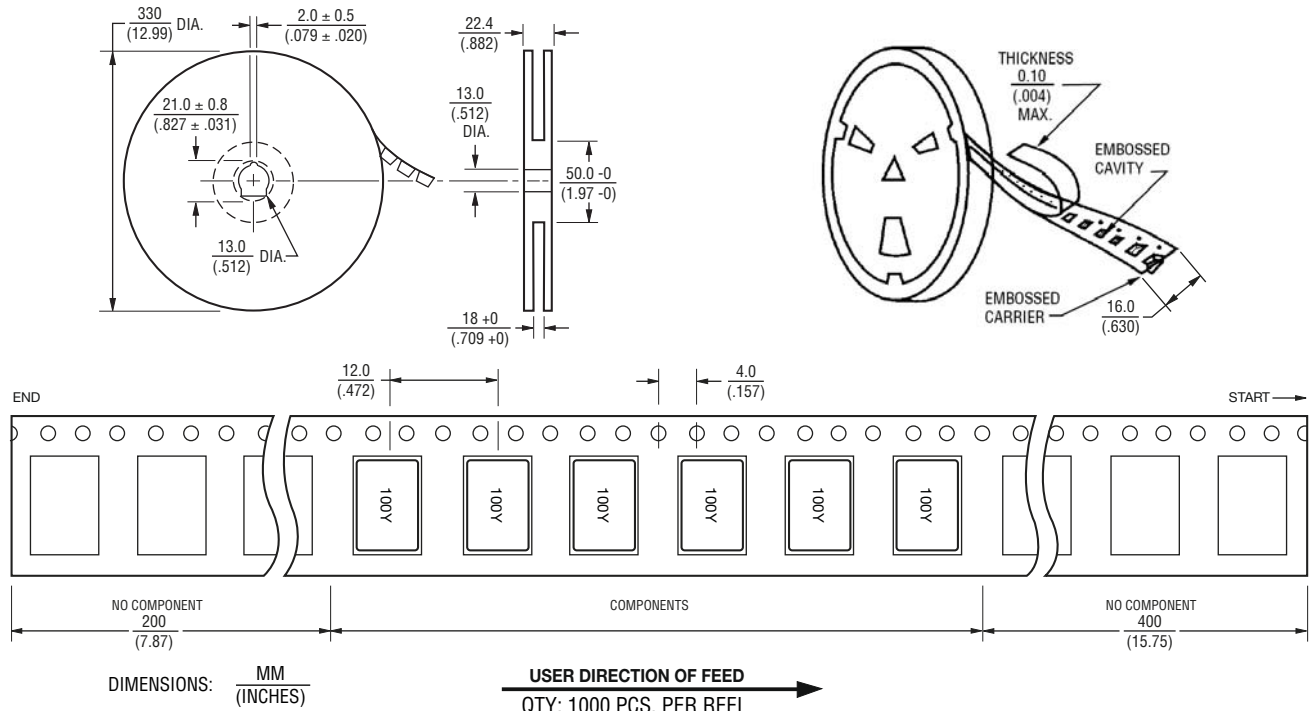
SRF0905A Series - Line Filter

BOURNS®

Impedance Graphs



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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- 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.
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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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