Features

- Shielded construction
- Inductance range: 1.5 to 330 µH
- Heating current up to 7 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRU1048A Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 KHz / 1 V		Q (Ref.)	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (mΩ) Max.	I rms (A)	I sat (A)
	L (µH)	Tol. (%)						
SRU1048A-1R5Y	1.5	±30	14	7.96	70	5.8	7.0	7.2
SRU1048A-2R2Y	2.2	±30	14	7.96	55	7.2	6.5	6.3
SRU1048A-3R0Y	3.0	±30	14	7.96	40	10	6.2	6.0
SRU1048A-4R7Y	4.7	±30	12	7.96	30	12.5	5.5	4.75
SRU1048A-6R8Y	6.8	±30	10	7.96	20	18	4.8	4.1
SRU1048A-8R2Y	8.2	±30	8	7.96	18	20	4.6	3.8
SRU1048A-100Y	10	±30	26	2.52	16	25	4.5	3.7
SRU1048A-150Y	15	±30	30	2.52	14	40	3.2	2.7
SRU1048A-220Y	22	±30	22	2.52	12	55	2.6	2.0
SRU1048A-330Y	33	±30	24	2.52	10	84	2.1	1.7
SRU1048A-470Y	47	±30	26	2.52	8	120	1.7	1.5
SRU1048A-560Y	56	±30	26	2.52	7	145	1.6	1.4
SRU1048A-680Y	68	±30	24	2.52	6	170	1.4	1.25
SRU1048A-820Y	82	±30	24	2.52	5.5	200	1.3	1.1
SRU1048A-101Y	100	±30	26	0.796	5	220	1.2	1.0
SRU1048A-151Y	150	±30	24	0.796	4.5	305	1.0	0.8
SRU1048A-221Y	220	±30	20	0.796	4	455	0.8	0.7
SRU1048A-331Y	330	±30	18	0.796	3	640	0.65	0.52

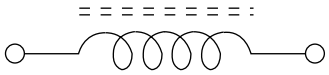
How to Order

SRU1048A - 100Y

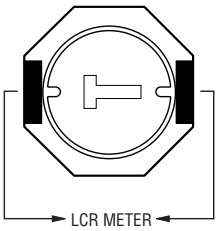
Model

Value Code (see table)

Electrical Schematic



Inductor Connection



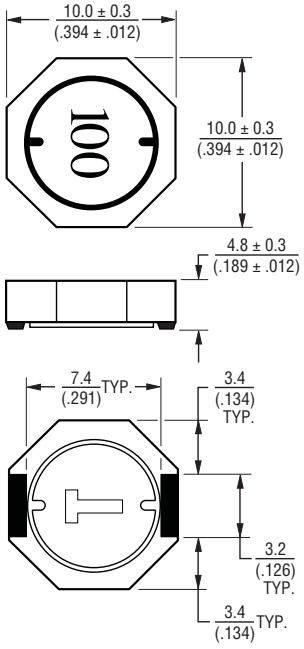
General Specifications

Operating Temperature
.....-40 °C to +125 °C
(Temperature rise included)
Storage Temperature
.....-40 °C to +125 °C
Resistance to Soldering Heat
.....+245 °C for 10 sec.
Temperature Rise
.....30 °C typ. at rated I rms
Inductance Drop ..... 35 % typ. at I sat

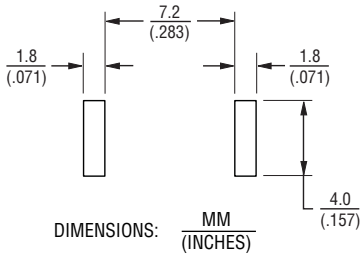
Materials

Core.....Ferrite
Wire .....Enameled copper
Terminal Finish .....Ag/Ni/Sn
Packaging..... 600 pcs. per reel

Product Dimensions



Recommended Layout



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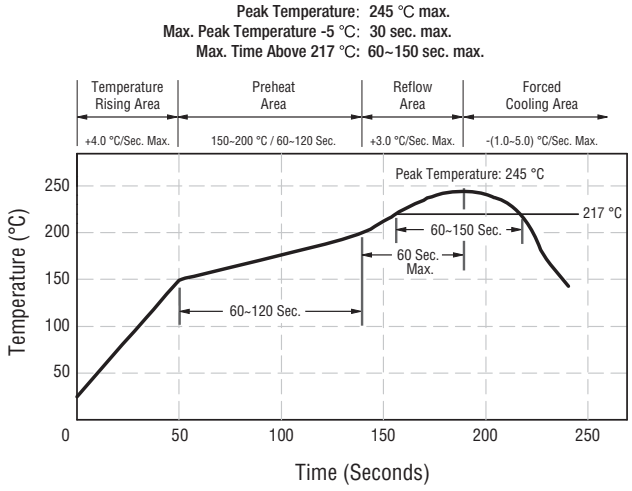
The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700
www.bourns.com

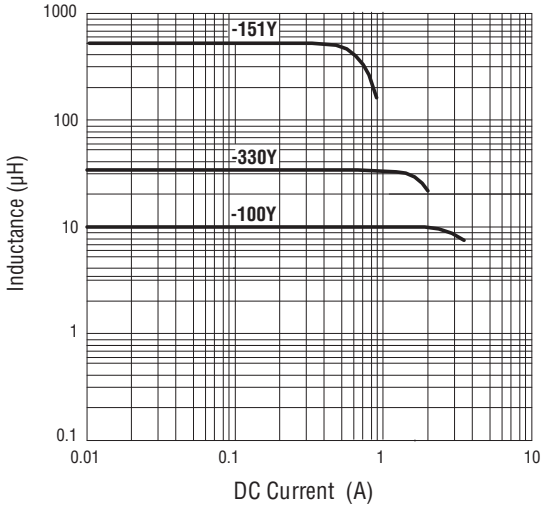
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

* RoHS Directive 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.

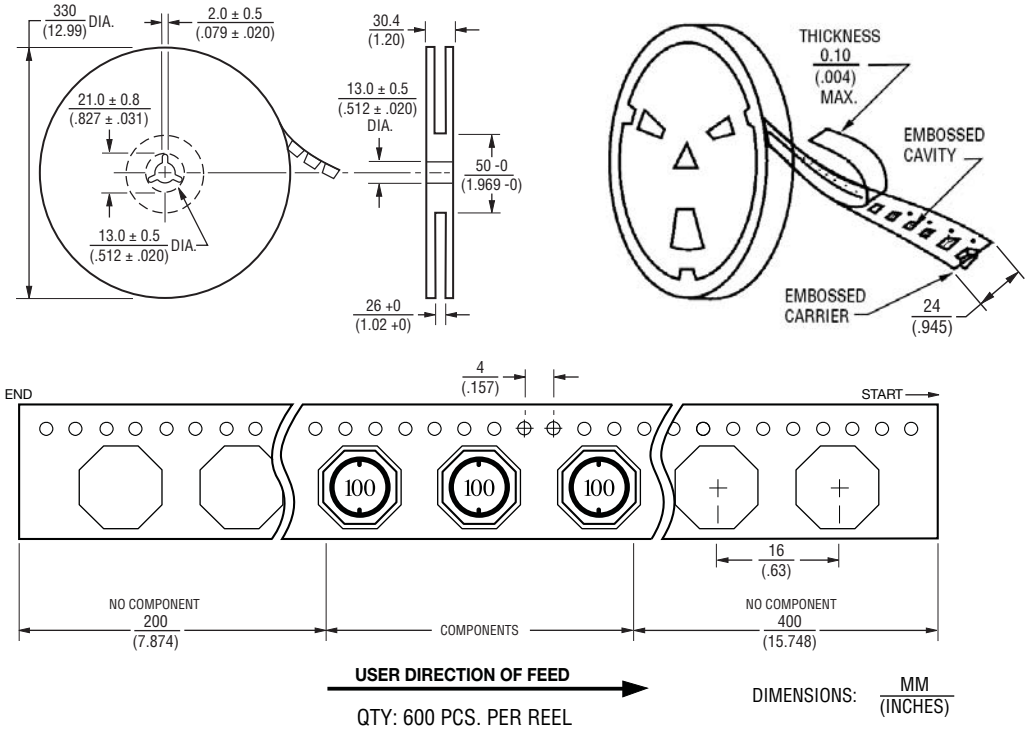
Soldering Profile



Inductance vs. DC Current Plot



Packaging Specifications



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LifeElectronics
Живое партнерство

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ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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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.*
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- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
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- *Входной контроль качества.*
- *Наличие сертификата ISO.*

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- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
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