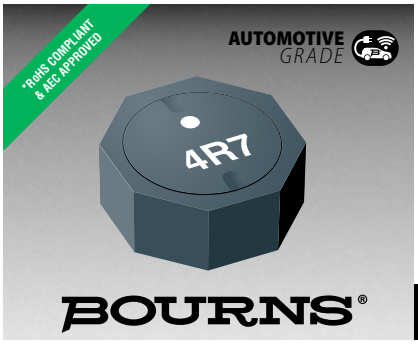


Features

- Shielded construction
- Inductance range: 4.7 to 100 µH
- Heating current up to 5.5 A
- Dimensions: 10 x 10 x 6.5 mm
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRU1063A Series – Shielded Power Inductors

Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 kHz / 0.1 V		Q Ref.	Test Freq. (MHz)	SRF Typ. (MHz)	DCR (Ω)		I rms (A)	I sat (A)
	L (µH)	Tol. (%)				Typ.	Max.		
SRU1063A-4R7Y	4.7	± 30	11	7.96	30	0.011	0.014	5.5	5.7
SRU1063A-6R8Y	6.8	± 30	11	7.96	20	0.0145	0.018	5.2	5.2
SRU1063A-100Y	10	± 30	14	2.52	18	0.027	0.038	3.8	4.0
SRU1063A-150Y	15	± 30	12	2.52	14	0.03	0.042	3.2	3.4
SRU1063A-220Y	22	± 30	15	2.52	10	0.043	0.06	3.0	3.2
SRU1063A-330Y	33	± 30	12	2.52	8	0.075	0.105	2.2	2.4
SRU1063A-470Y	47	± 30	10	2.52	6	0.105	0.15	1.4	1.6
SRU1063A-680Y	68	± 30	8	2.52	5	0.15	0.21	1.2	1.35
SRU1063A-101Y	100	± 30	12	0.796	4	0.24	0.32	1.1	1.2

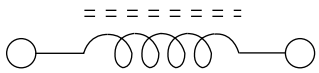
How to Order

SRU1063A - 100Y

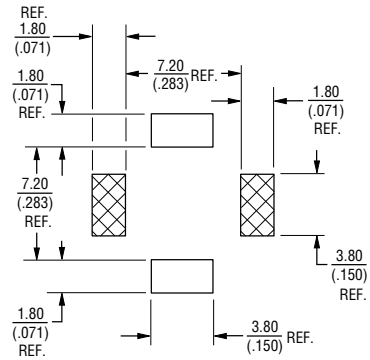
Model

Value Code (see table)

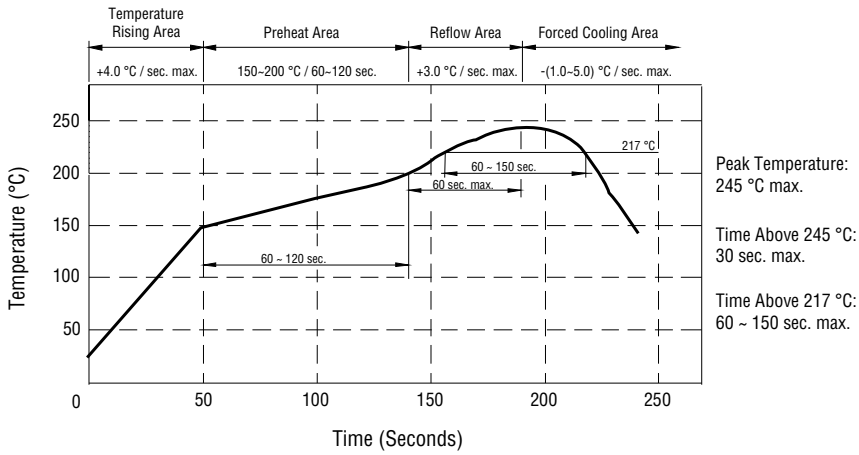
Electrical Schematic



Recommended Layout



Soldering Profile



Peak Temperature: 245 °C max.

Time Above 245 °C: 30 sec. max.

Time Above 217 °C: 60 ~ 150 sec. max.

* 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.

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Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

General Specifications

Operating Temperature ..... -40 °C to +125 °C (Temperature rise included)

Storage Temperature.. -40 °C to +125 °C

Temperature Rise .....40 °C typ. at rated Irms

Inductance Drop .....35 % at Isat

Failure In Time (FIT).....24.7/10^9 hours

Mean Time Between Failures (MTBF) .....40.4 x 10^6 hours

Materials

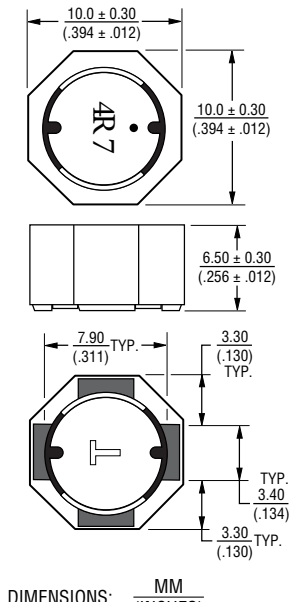
Core.....Ferrite

Wire ..... Enameled copper

Terminal.....Sn

Packaging .....500 pcs. per reel

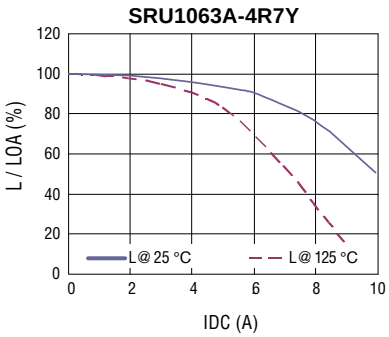
Product Dimensions

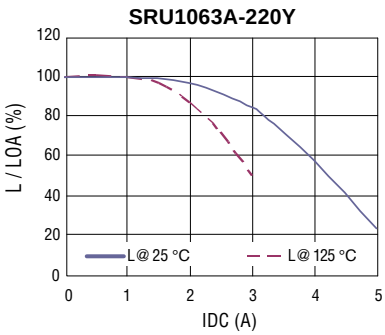


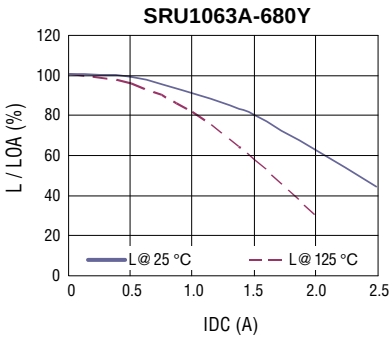
WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

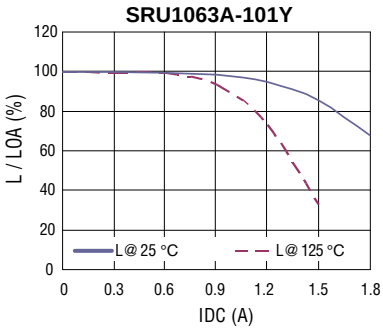
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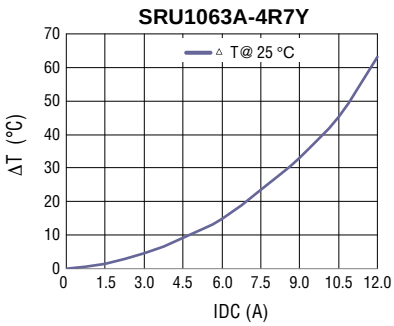
Inductance vs. IDC

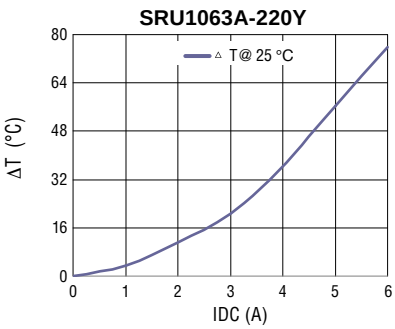


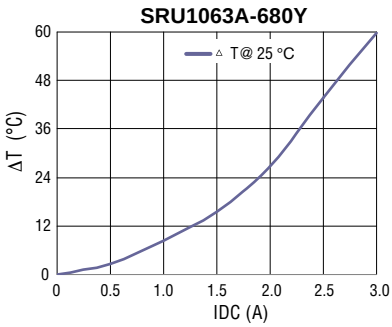


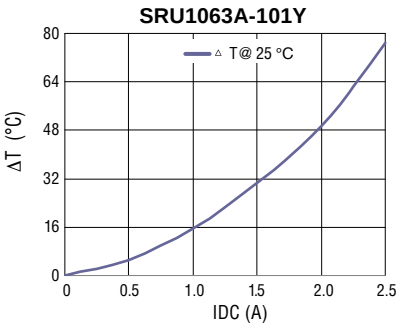








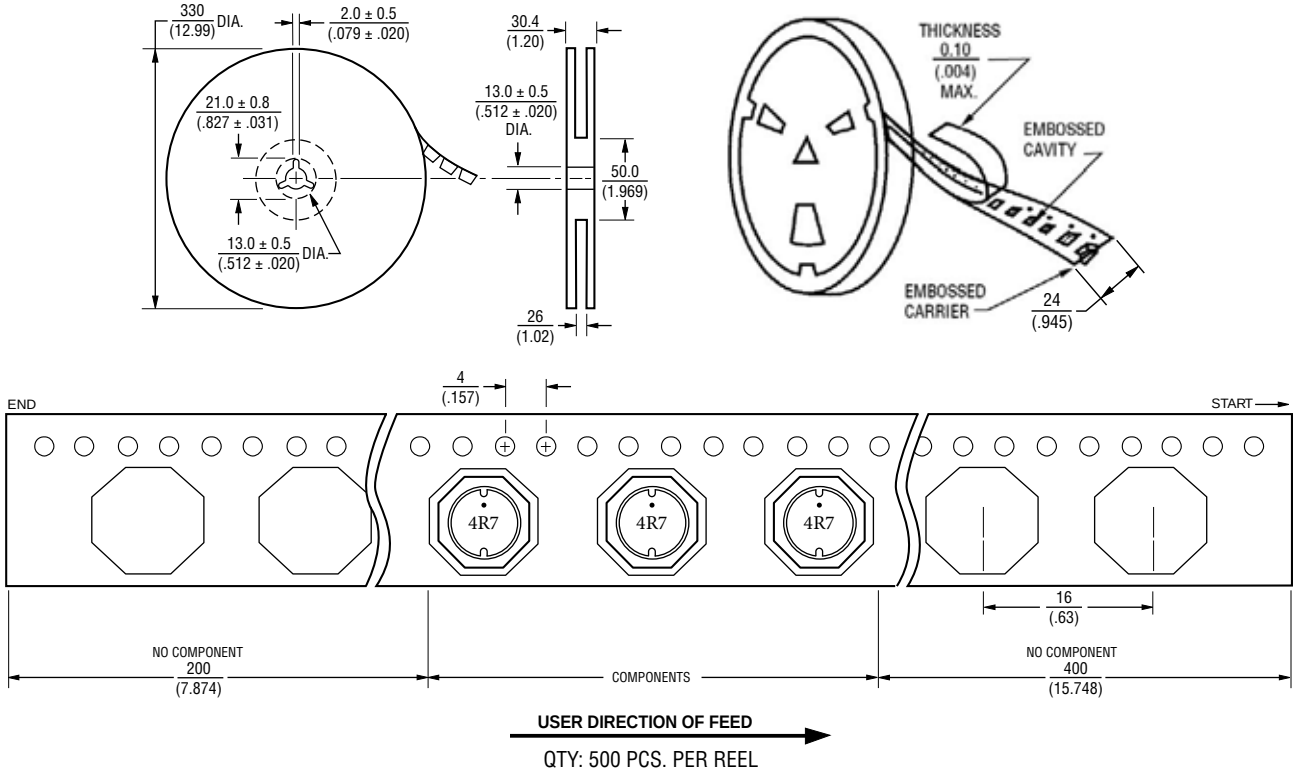




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Packaging Specifications



QTY: 500 PCS. PER REEL

DIMENSIONS: MM (INCHES)

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Mexico: Tel: +52-614-478-0400 • Email: mexicus@bourns.com
Asia: Tel: +886-2-2562-4117 • Email: asiacus@bourns.com
EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com
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