Features

- Height of 3.0 mm max.
- Current rating up to 3.0 A
- RoHS compliant*

Applications

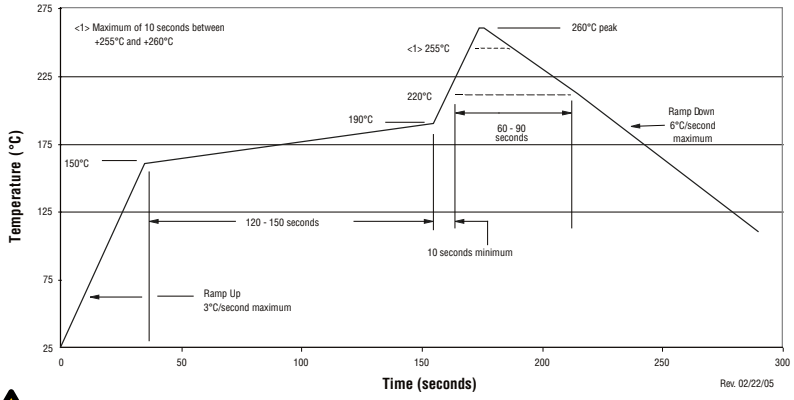
- Input/output of DC/DC converters
- Power supplies for:
  - Portable communication equipment
  - Camcorders
  - LCD TVs

SRR5028 Series - Shielded SMD Power Inductors

Electrical Characteristics

Bourns Part Number	Inductance 100 kHz (µH)	Tol. %	Q Ref.	Test Frequency (MHz)	SRF Typ. (MHz)	DCR Max. (mΩ)	I rms (A)	I sat (A)
SRR5028-2R6Y	2.6	±30	7	7.96	77	30	3.00	2.70
SRR5028-3R0Y	3.0	±30	7	7.96	65	30	2.80	2.50
SRR5028-4R2Y	4.2	±30	7	7.96	51	35	2.50	2.20
SRR5028-5R3Y	5.3	±30	7	7.96	45	40	2.30	1.90
SRR5028-6R2Y	6.2	±30	7	7.96	39	45	2.20	1.80
SRR5028-8R2Y	8.2	±30	7	7.96	34	55	2.10	1.60
SRR5028-100Y	10	±30	9	2.52	30	70	1.50	1.40
SRR5028-120Y	12	±30	11	2.52	28	80	1.46	1.25
SRR5028-150Y	15	±30	9	2.52	22	100	1.37	1.15
SRR5028-180Y	18	±30	10	2.52	20	110	1.25	1.10
SRR5028-220Y	22	±30	7	2.52	20	120	1.15	1.00
SRR5028-270Y	27	±30	10	2.52	17	160	1.05	0.90
SRR5028-330Y	33	±30	11	2.52	13	190	0.90	0.78
SRR5028-390Y	39	±30	8	2.52	13	210	0.86	0.72
SRR5028-470Y	47	±30	7	2.52	13	250	0.82	0.65
SRR5028-560Y	56	±30	9	2.52	12	300	0.72	0.60
SRR5028-680Y	68	±30	8	2.52	11	350	0.62	0.56
SRR5028-820Y	82	±30	8	2.52	9	430	0.52	0.50
SRR5028-101Y	100	±30	8	0.796	8	480	0.45	0.45
SRR5028-151Y	150	±30	7	0.796	7.5	900	0.33	0.35
SRR5028-181Y	180	±30	11	0.796	6.3	1000	0.32	0.31
SRR5028-221Y	220	±30	7	0.796	6.5	1250	0.30	0.30
SRR5028-331Y	330	±30	8	0.796	5	2000	0.20	0.20
SRR5028-471Y	470	±30	12	0.796	5	2500	0.30	0.23
SRR5028-561Y	560	±30	12	0.796	4	3920	0.14	0.14
SRR5028-681Y	680	±30	11	0.796	3	4300	0.13	0.14

Soldering Profile



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.
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

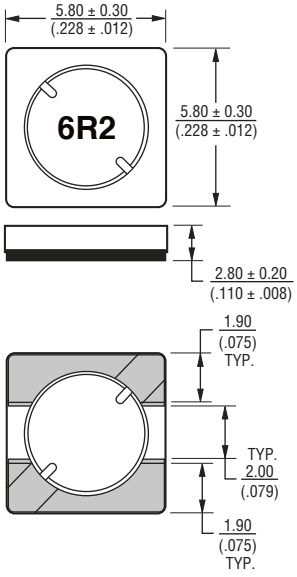
General Specifications

Test Voltage ..... 0.1 V
Reflow Soldering ...230 °C, 50 sec. max.
Operating Temp. .....-40 °C to +125 °C
(Temperature rise included)
Storage Temperature.. -40 °C to +125 °C
Resistance to Soldering Heat
..... 260 °C for 10 sec.
Moisture Sensitivity Level.....1
ESD Classification (HBM).....N/A

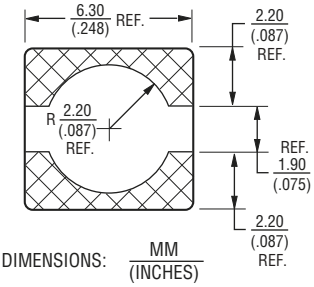
Materials

Core ..... Ferrite
Wire ..... Enameled copper
Adhesive.....Epoxy resin
Terminal..... Ag/Ni/Sn
Rated Current
.....Ind. drop 35 % typ. at Isat
Temperature Rise..... 30 °C typ.
at rated Irms
Packaging..... 400 pcs. per reel

Product Dimensions



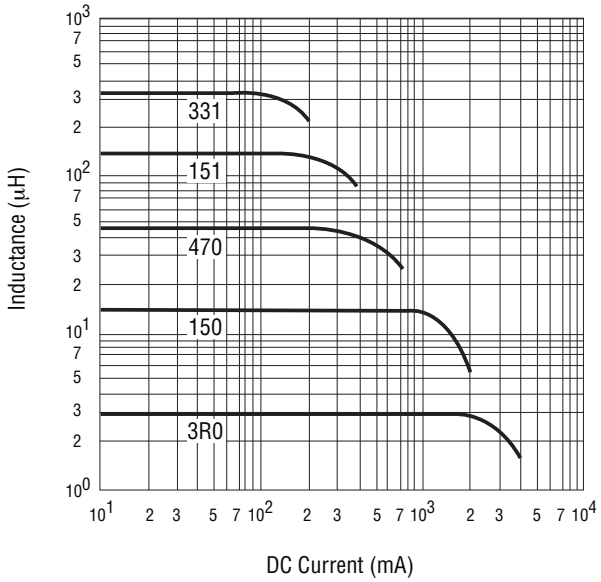
Recommended Layout



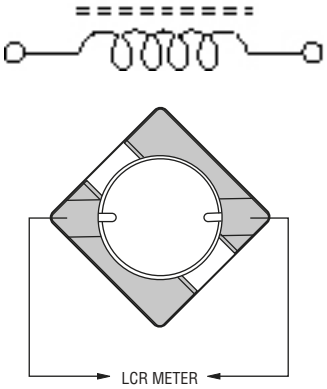
SRR5028 Series - Shielded SMD Power Inductors

BOURNS®

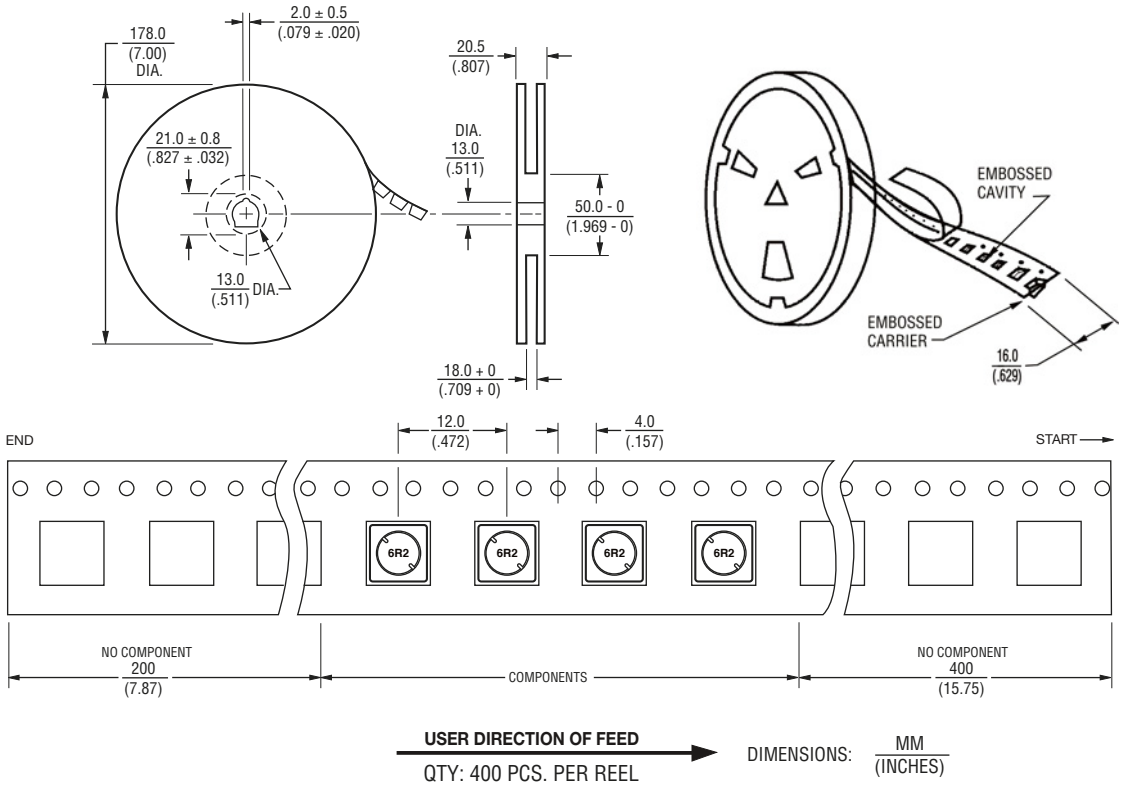
Inductance vs. Current



Electrical Schematic



Packaging Specifications



REV. 05/18

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

PDF: http://www.bourns.com/docs/Legal/disclaimer.pdf

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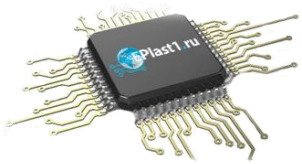
Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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