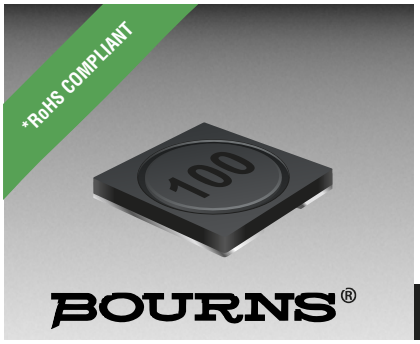


Features

- Available in E6 values
- Mounting height of only 1.15 mm
- Inductance value to 1.5 µH
- RoHS compliant*

Applications

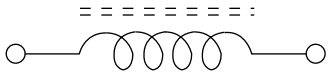
- Input/output of DC/DC converters
- Power supplies for:
  - Portable communication equipment
  - Camcorders
  - LCD TVs

SRR3011 Series - Shielded Power Inductors

Electrical Characteristics

Bourns Part Number	Inductance 100 kHz (µH)	Tol. %	Q Typ.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	I rms Max. (A)	I sat Typ. (A)
SRR3011-1R5YL	1.50	± 30	11	7.96	124	0.055	1.60	1.30
SRR3011-2R5YL	2.50	± 30	7	7.96	112	0.085	1.20	1.00
SRR3011-3R3YL	3.30	± 30	8	7.96	101	0.090	1.00	0.85
SRR3011-4R7YL	4.70	± 30	9	7.96	69	0.125	0.90	0.75
SRR3011-6R8YL	6.80	± 30	10	7.96	49	0.210	0.72	0.62
SRR3011-100YL	10.0	± 30	18	2.52	42	0.280	0.65	0.50
SRR3011-150YL	15.0	± 30	16	2.52	37	0.420	0.48	0.38
SRR3011-220YL	22.0	± 30	11	2.52	31	0.680	0.38	0.32
SRR3011-330YL	33.0	± 30	14	2.52	25	0.860	0.32	0.27
SRR3011-470YL	47.0	± 30	16	2.52	18	1.800	0.27	0.23
SRR3011-680YL	68.0	± 30	14	2.52	15	2.250	0.22	0.18
SRR3011-101YL	100.0	± 30	39	0.796	13	3.600	0.18	0.15

Schematic



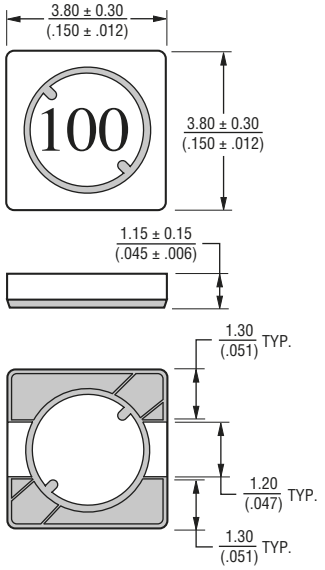
General Specifications

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

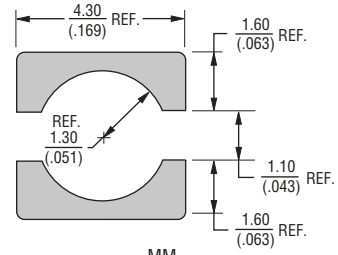
Materials

Core .....Ferrite DR and RI
Wire ..... Enameled copper wire 130
Terminal..... Ag/Ni/Sn
Rated Current
.....Ind. drop 35 % typ. at Isat
Temperature Rise.....30 °C max.
at rated Irms
Packaging..... 1200 pcs. per reel

Product Dimensions



Recommended Layout

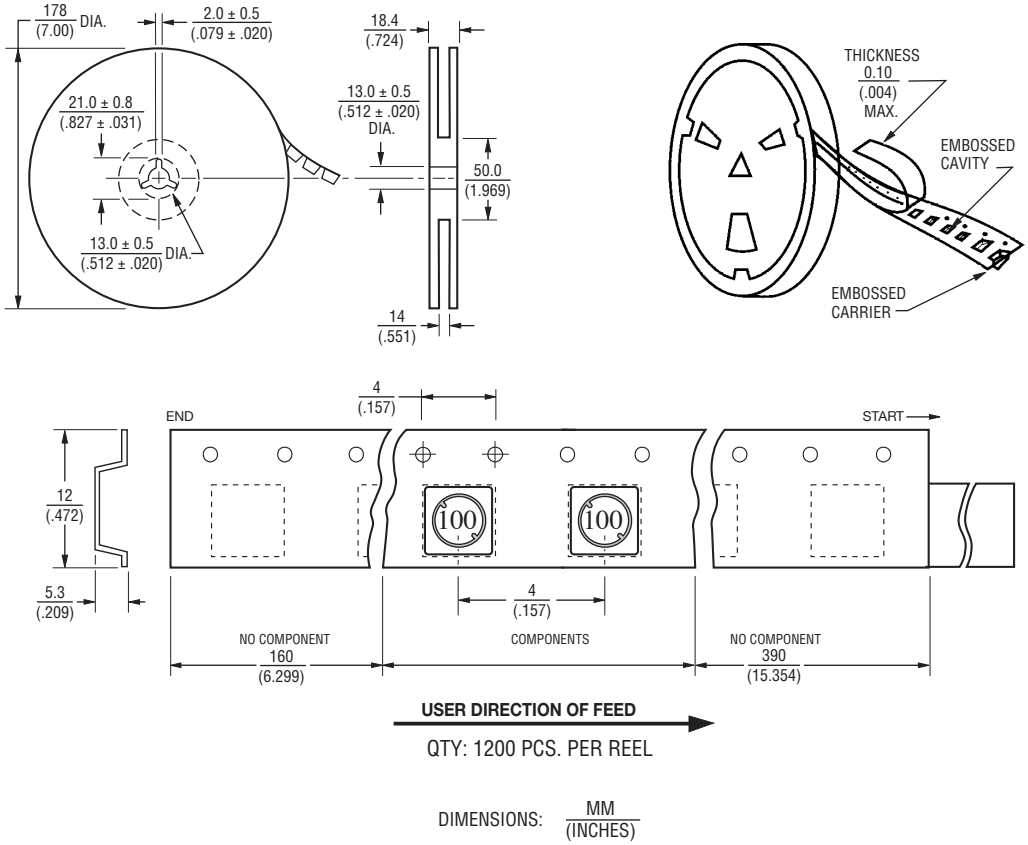


DIMENSIONS: MM / (INCHES)

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

Packaging Specifications



QTY: 1200 PCS. PER REEL

DIMENSIONS: MM / (INCHES)

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Users should verify actual device performance in their specific applications.
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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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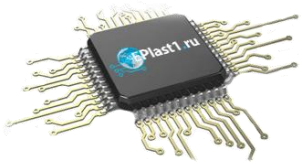
Наши преимущества:

- 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

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.