



Features

- Available in E6 values
- Range from 1.0 μ H to 1000 μ H
- RoHS compliant*

Applications

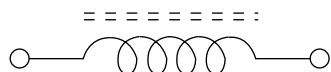
- Input/output of DC/DC converters
- Power supplies for:
 - Portable communication equipment
 - Camcorders
 - LCD TVs

SDR7030 Series - SMD Power Inductors

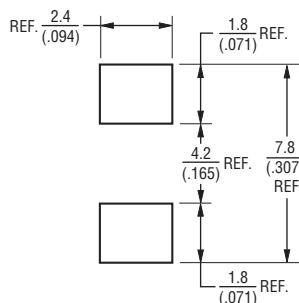
Electrical Specifications

Bourns Part Number	Inductance 100 kHz		Q Typ.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	I rms Max. (A)	I sat Typ. (A)
	(μ H)	Tol. %						
SDR7030-1R0M	1.0	± 20	18	7.96	113	0.022	3.00	4.30
SDR7030-1R5M	1.5	± 20	17	7.96	100	0.027	2.75	3.60
SDR7030-2R2M	2.2	± 20	17	7.96	80	0.030	2.60	3.20
SDR7030-3R5M	3.5	± 20	17	7.96	59	0.038	2.20	2.60
SDR7030-4R7M	4.7	± 20	14	7.96	43	0.048	1.85	2.25
SDR7030-6R2M	6.2	± 20	17	7.96	41	0.058	1.65	2.00
SDR7030-100M	10.0	± 20	16	2.52	35	0.075	1.50	1.60
SDR7030-150M	15.0	± 20	14	2.52	33	0.115	1.20	1.30
SDR7030-220M	22.0	± 20	14	2.52	32	0.160	1.02	1.10
SDR7030-330M	33.0	± 20	13	2.52	24	0.230	0.85	0.90
SDR7030-470K	47.0	± 10	12	2.52	18	0.340	0.70	0.78
SDR7030-680K	68.0	± 10	12	2.52	16	0.480	0.58	0.64
SDR7030-101K	100.0	± 10	18	0.796	15	0.720	0.46	0.52
SDR7030-151K	150.0	± 10	18	0.796	12	0.920	0.40	0.42
SDR7030-221K	220.0	± 10	23	0.796	9	1.600	0.32	0.34
SDR7030-331K	330.0	± 10	24	0.796	7	2.200	0.26	0.28
SDR7030-471K	470.0	± 10	30	0.796	6	2.800	0.22	0.23
SDR7030-681K	680.0	± 10	28	0.796	5	4.350	0.18	0.18
SDR7030-102K	1000.0	± 10	66	0.252	4	6.200	0.15	0.15

Electrical Schematic



Recommended Layout



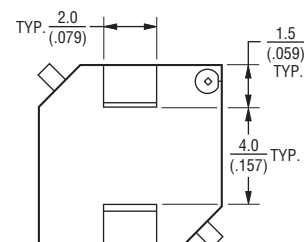
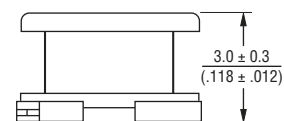
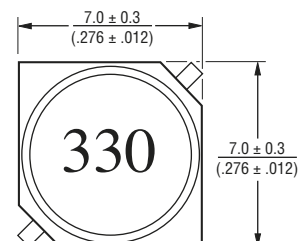
General Specifications

Test Voltage 0.1 V
 Reflow Soldering .. 230 °C, 50 sec. max.
 Operating Temperature
 -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
 Wire Enamelled copper wire 130
 Terminal..... Cu/Sn
 Rated Current
 Ind. drop 10 % typ. at Isat
 Temperature Rise
 30 °C max. at rated I rms
 Packaging..... 1500 pcs. per reel

Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$



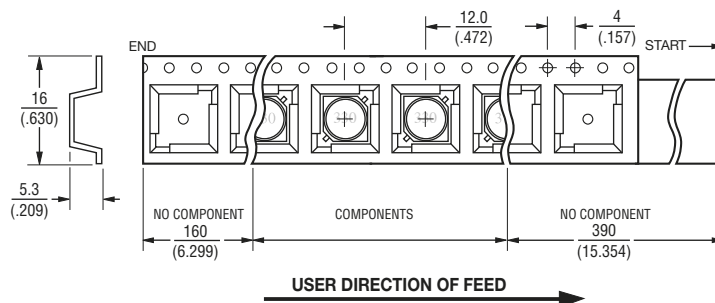
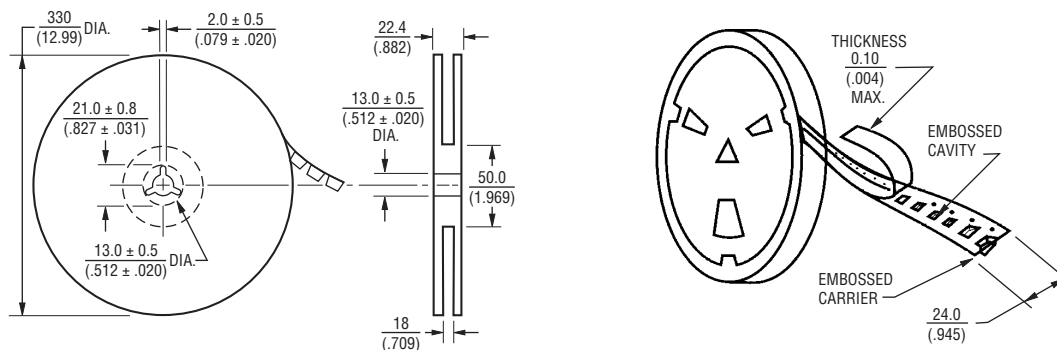
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

*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

SDR7030 Series - SMD Power Inductors

BOURNS®

Packaging Specifications



QTY: 1500 PCS. PER REEL

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

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REV. 03/18

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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;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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