

Features

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

Applications

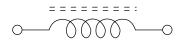
- Input/output of DC/DC converters
- Power supplies for:
 - · Portable communication equipment
 - Camcorders
 - LCD TVs

SRR3011 Series - Shielded Power Inductors

Electrical Characteristics

Damma	Inductance 100 kHz		•	Test	SRF	RDC Max.	l rms	l sat
Bourns Part Number	(µH)	Tol. %	Q Typ.	Frequency (MHz)	Min. (MHz)	(Ω)	Max. (A)	Тур. (А)
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

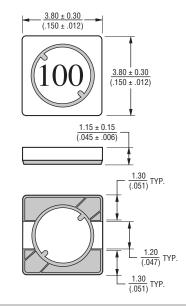


General Specifications

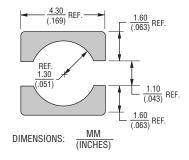
Test Voltage 0.1 V
Reflow Soldering 230 °C, 50 sec. max.
Operating Temp40 °C to +125 °C
(Temperature rise included)
Storage Temperature40 °C to +125 °C
Resistance to Soldering Heat
Moisture Sensitivity Level1
ESD Classification (HBM)N/A
Materials
CoreFerrite DR and RI
Wire Enameled copper wire 130
Terminal Ag/Ni/Sn
Rated Current
Ind drop 35 % typ at leat

Ind. c	drop 35 % typ. at Isat
Temperature Rise	
	at rated Irms
Packaging	1200 pcs. per reel

Product Dimensions



Recommended Layout



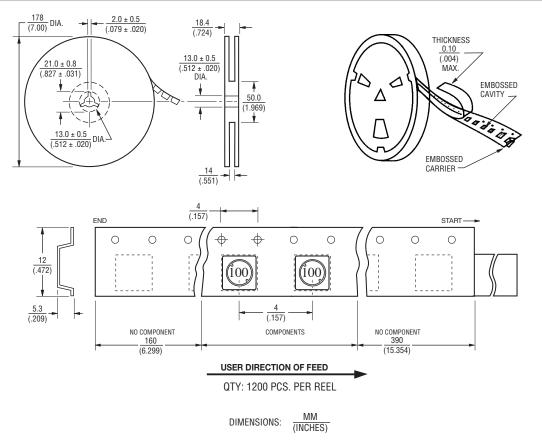
WARNING Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>

* 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

SRR3011 Series - Shielded Power Inductors

BOURNS

Packaging Specifications



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