



Features

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

Applications

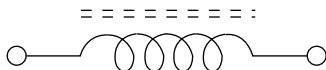
- Input/output of DC/DC converters
- Power supplies for:
 - Portable communication equipment
 - Camcorders
 - LCD TVs

SRR3011 Series - Shielded Power Inductors

Electrical Characteristics

Bourns Part Number	Inductance 100 kHz		Q Typ.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	I rms Max. (A)	I sat Typ. (A)
	(μ H)	Tol. %						
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



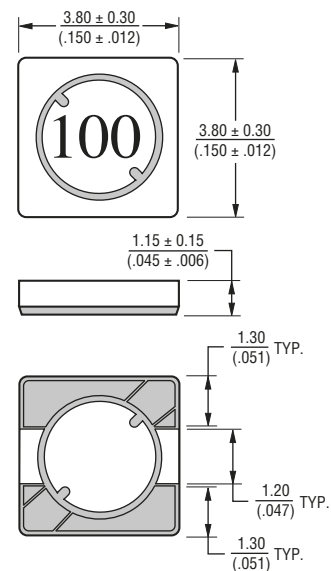
General Specifications

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

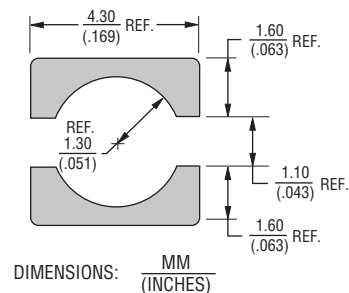
Materials

CoreFerrite 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 I rms
 Packaging..... 1200 pcs. per reel

Product Dimensions



Recommended Layout



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.
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BOURNS®

Technical drawing of a 100 Yen coin with dimensions in mm and inches. The drawing includes a top view, a side view, and a cross-section view.

Top View Dimensions:

- Outer Diameter: 21.0 ± 0.8 mm ($.827 \pm .031$)
- Inner Diameter: 13.0 ± 0.5 mm ($.512 \pm .020$)
- Distance from Edge to Center: 178 mm (7.00)
- Distance from Edge to Hole: 2.0 ± 0.5 mm ($.079 \pm .020$)

Side View Dimensions:

- Thickness: 1.969 mm (50.0)
- Outer Diameter: 18.4 mm ($.724$)
- Inner Diameter: 13.0 ± 0.5 mm ($.512 \pm .020$)
- Distance from Edge to Hole: 14 mm ($.551$)

Cross-section View Dimensions:

- Thickness: 0.10 mm ($.004$) MAX.
- Embossed Cavity
- Embossed Carrier

Carrier Dimensions:

- Length: 12 mm ($.472$)
- Width: 5.3 mm ($.209$)
- Distance from Edge to Hole: 4 mm ($.157$)
- Distance from Edge to Hole: 160 mm (6.299)
- Distance from Edge to Hole: 390 mm (15.354)

Carrier Labels:

- END
- START
- USER DIRECTION OF FEED
- NO COMPONENT
- COMPONENTS
- QTY: 1200 PCS. PER REEL

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