



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
 - Car radios

SRR3011 Series - Shielded SMD Power Inductors

Electrical Specifications

Bourns Part No.	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

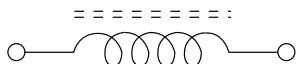
General Specifications

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.

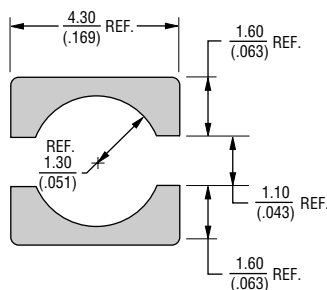
Materials

CoreFerrite DR and RI
 WireEnameled copper wire 130
 Terminal.....Ag/Ni/Sn
 Rated Current
Ind. drop 35 % typ. at Isat
 Temperature Rise30 °C max.
 at rated I rms
 Packaging1200 pcs. per reel

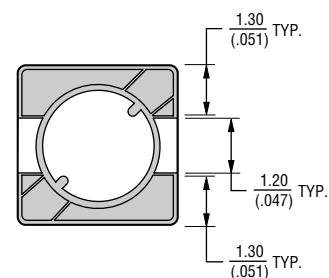
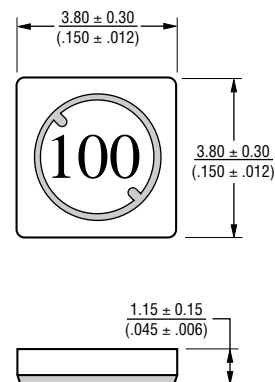
Electrical Schematic



Recommended Layout



Product Dimensions



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

BOURNS®

Technical drawing of a 100 Yen coin and its embossed carrier. The drawing includes top, side, and end views with dimensions in inches and millimeters.

Top View (Coin):

- Outer Diameter: 178 ± 0.5 DIA. ($7.00 \pm .020$)
- Inner Diameter: 13.0 ± 0.5 DIA. ($.512 \pm .020$)
- Central Mark: 21.0 ± 0.8 ($.827 \pm .031$)

Side View (Coin):

- Thickness: 0.10 (.004) MAX.

End View (Carrier):

- Carrier Thickness: 5.3 (.209)
- Carrier Width: 12 (.472)
- Carrier Mark: 14 (.551)

Top View (Carrier):

- Carrier Length: 18.4 (.724)
- Carrier Width: 50.0 (1.969)
- Carrier Mark: 4 (.157)

Bottom View (Carrier):

- Carrier Length: 160 (6.299)
- Carrier Width: 390 (15.354)
- Carrier Mark: 4 (.157)

USER DIRECTION OF FEED

QTY: 1200 PCS. PER REEL

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