



Features

- Available in E6 values
- Mounting height of only 1.15 mm
- Inductance value to 0.47 μ H
- RoHS compliant*

Applications

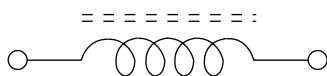
- Input/output of DC/DC converters
- Power supplies for:
 - Portable communication equipment
 - Camcorders
 - LCD TVs

SRR4011 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. %						
SRR4011-R47YL	0.47	± 30	7	25.2	221	0.030	3.20	3.80
SRR4011-1R2YL	1.20	± 30	10	7.96	133	0.048	2.70	2.50
SRR4011-1R5YL	1.50	± 30	11	7.96	121	0.056	2.30	2.10
SRR4011-2R2YL	2.20	± 30	11	7.96	92	0.075	2.00	1.80
SRR4011-3R3YL	3.30	± 30	10	7.96	67	0.110	1.60	1.40
SRR4011-4R7YL	4.70	± 30	13	7.96	61	0.165	1.35	1.20
SRR4011-6R2YL	6.20	± 30	7	7.96	51	0.195	1.20	1.00
SRR4011-8R2YL	8.20	± 30	8	7.96	39	0.215	1.10	0.92
SRR4011-100YL	10.00	± 30	14	2.52	41	0.240	1.00	0.83
SRR4011-150YL	15.00	± 30	11	2.52	33	0.400	0.90	0.70
SRR4011-220YL	22.00	± 30	13	2.52	23	0.580	0.60	0.57
SRR4011-330YL	33.00	± 30	15	2.52	20	0.860	0.55	0.47
SRR4011-470YL	47.00	± 30	10	2.52	18	1.250	0.48	0.40
SRR4011-680YL	68.00	± 30	12	2.52	14	1.800	0.35	0.32
SRR4011-820YL	82.00	± 30	13	2.52	11	2.200	0.33	0.30
SRR4011-101YL	100.00	± 30	18	0.796	11	2.400	0.31	0.27
SRR4011-151YL	150.00	± 30	39	0.796	8	3.800	0.25	0.22

Schematic



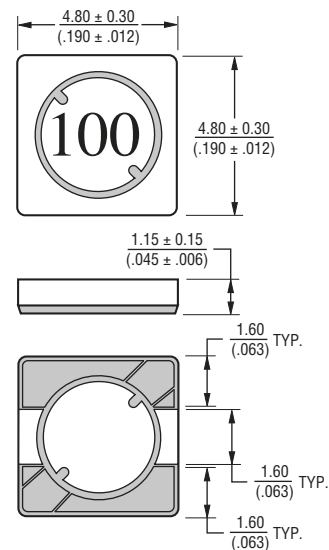
General Specifications

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

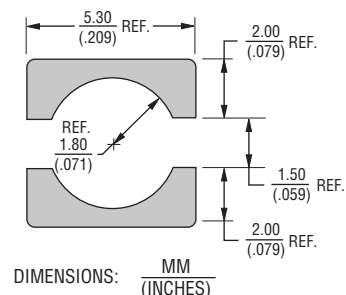
Materials

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 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 Euro coin showing top, side, and end views with dimensions in mm and inches.

Top View Dimensions:

- Outer Diameter: 178 ± 0.5 (7.00)
- Inner Diameter: 21.0 ± 0.8 (.827 ± .031)
- Central Hole Diameter: 13.0 ± 0.5 (.512 ± .020)

Side View Dimensions:

- Outer Diameter: 18.4 (.724)
- Inner Diameter: 13.0 ± 0.5 (.512 ± .020)
- Thickness: 50.0 (1.969)
- Inner Diameter: 14 (.551)

End View Dimensions:

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

End View Details:

- END
- START
- NO COMPONENT 160 (6.299)
- COMPONENTS 4 (.157)
- NO COMPONENT 390 (15.354)
- USER DIRECTION OF FEED
- QTY: 1200 PCS. PER REEL
- DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

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