



## Features

- Available in E6 values
- Inductance values to 1000 µH
- RoHS compliant\*

## Applications

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

# SRR7032 Series - Shielded SMD Power Inductors

### Electrical Specifications

Bourns Part No.	Inductance 1 KHz		Q Typ.	Test Frequency (MHz)	SRF Typ. (MHz)	RDC Max. (Ω)	I rms Max. (A)	I sat Typ. (A)
	µH	Tol. %						
SRR7032-2R2M	2.2	±20	12	7.96	70	0.022	2.65	2.60
SRR7032-3R3M	3.3	±20	16	7.96	55	0.027	2.40	2.20
SRR7032-4R7M	4.7	±20	16	7.96	43	0.042	2.00	2.00
SRR7032-6R8M	6.8	±20	17	7.96	37	0.054	1.60	1.80
SRR7032-100M	10.0	±20	25	2.52	35	0.068	1.40	1.60
SRR7032-150M	15.0	±20	22	2.52	32	0.095	1.10	1.20
SRR7032-220M	22.0	±20	20	2.52	29	0.135	0.96	1.05
SRR7032-330M	33.0	±20	23	2.52	20	0.200	0.76	0.86
SRR7032-470M	47.0	±20	26	2.52	18	0.280	0.67	0.77
SRR7032-680M	68.0	±20	22	2.52	16	0.380	0.60	0.70
SRR7032-101M	100.0	±20	28	0.796	12	0.540	0.45	0.50
SRR7032-151M	150.0	±20	35	0.796	10	0.800	0.37	0.38
SRR7032-221M	220.0	±20	47	0.796	7.5	1.300	0.30	0.32
SRR7032-331M	330.0	±20	46	0.796	6.1	1.900	0.22	0.24
SRR7032-471M	470.0	±20	34	0.796	5.1	2.400	0.20	0.20
SRR7032-681M	680.0	±20	58	0.796	3.8	3.750	0.16	0.15
SRR7032-102M	1000.0	±20	120	0.252	3.1	5.400	0.15	0.14

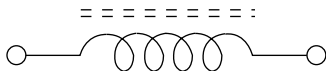
### General Specifications

Test Voltage .....0.5 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

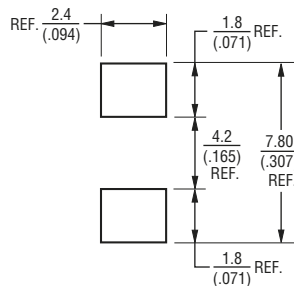
### Materials

Core..... Ferrite DR & RI  
 Wire ..... Enameled copper wire 130  
 Terminal ..... Cu/Ni/Sn  
 Rated Current  
 ..... Ind. drop of 10 % typ. at Isat  
 Temperature Rise  
 ..... 30 °C max. at rated I rms  
 Packaging..... 1500 pcs. per reel

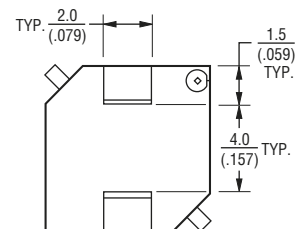
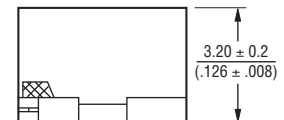
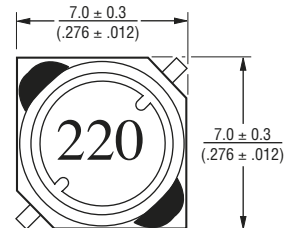
### Schematic



### Recommended Layout



### Product Dimensions



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



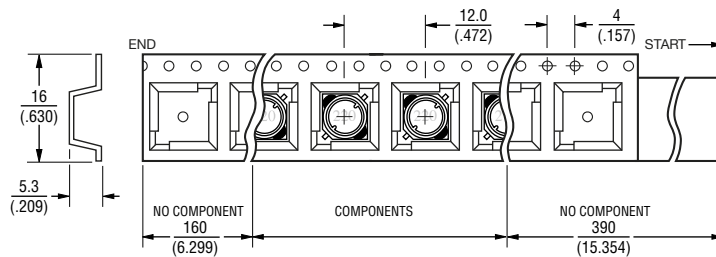
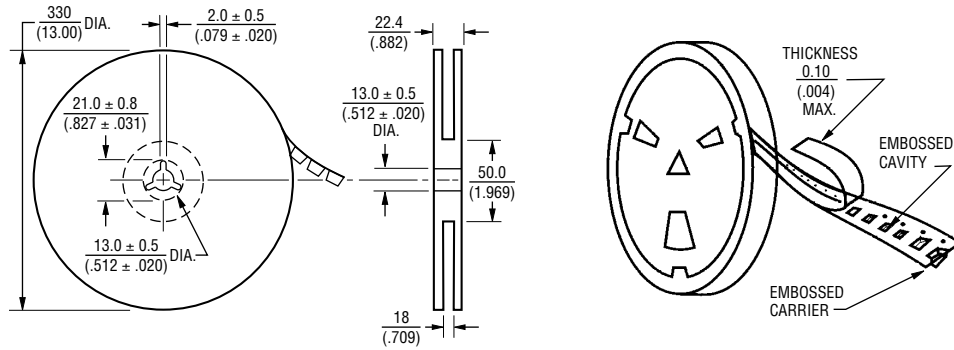
**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

\* 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](http://www.bourns.com/docs/legal/disclaimer.pdf)

# SRR7032 Series - Shielded SMD Power Inductors

**BOURNS®**

## Packaging Specifications



USER DIRECTION OF FEED →

QTY: 1500 PCS. PER REEL

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

REV. 03/18

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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