



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

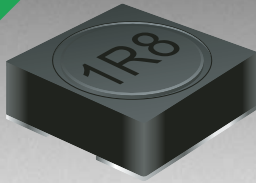
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



RoHS COMPLIANT



**BOURNS®**

## Features

- Height of 3.0 mm max.
- Current rating up to 3.1 A
- RoHS compliant\*

## Applications

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

# SRR4028 Series - Shielded SMD Power Inductors

## Electrical Specifications

Bourns Part No.	Inductance 100 kHz		Q Ref.	Test Frequency (MHz)	SRF Typ. (MHz)	DCR Max. (mΩ)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)
	(μH)	Tol. %						
SRR4028-1R2Y	1.2	±30	9.34	7.96	176	20	3.10	2.560
SRR4028-1R8Y	1.8	±30	9.18	7.96	146	25	2.70	2.200
SRR4028-2R2Y	2.2	±30	9.24	7.96	111	28	2.50	2.050
SRR4028-2R7Y	2.7	±30	8.64	7.96	92	30	2.35	1.800
SRR4028-3R3Y	3.3	±30	7.72	7.96	76	35	2.15	1.650
SRR4028-3R9Y	3.9	±30	8.58	7.96	56	60	1.72	1.500
SRR4028-4R7Y	4.7	±30	8.12	7.96	55	70	1.55	1.300
SRR4028-5R6Y	5.6	±30	9.56	7.96	69	85	1.38	1.200
SRR4028-6R8Y	6.8	±30	9.624	7.96	77	90	1.30	1.150
SRR4028-8R2Y	8.2	±30	8.24	7.96	45	100	1.25	1.050
SRR4028-100Y	10	±30	11.26	2.52	34	110	1.19	1.000
SRR4028-120Y	12	±30	11.26	2.52	25	125	1.12	0.850
SRR4028-150Y	15	±30	9.66	2.52	27	150	1.03	0.780
SRR4028-180Y	18	±30	11.64	2.52	25	160	0.98	0.750
SRR4028-220Y	22	±30	8.26	2.52	23	185	0.93	0.720
SRR4028-270Y	27	±30	10.76	2.52	18	200	0.89	0.600
SRR4028-330Y	33	±30	9.7	2.52	16	230	0.82	0.580
SRR4028-390Y	39	±30	9.74	2.52	14	250	0.80	0.500
SRR4028-470Y	47	±30	10.88	2.52	13	280	0.75	0.480
SRR4028-560Y	56	±30	9	2.52	13	320	0.70	0.410
SRR4028-680Y	68	±30	8.42	2.52	11	400	0.63	0.360
SRR4028-820Y	82	±30	8.6	2.52	8	520	0.56	0.320
SRR4028-101Y	100	±30	8.78	0.796	9	600	0.51	0.300
SRR4028-121Y	120	±30	13.32	0.796	8	700	0.47	0.280
SRR4028-151Y	150	±30	11.72	0.796	6	860	0.42	0.260
SRR4028-181Y	180	±30	13.86	0.796	7	1000	0.39	0.230
SRR4028-221Y	220	±30	11.3	0.796	5	1250	0.34	0.200
SRR4028-271Y	270	±30	17.46	0.796	5	1500	0.32	0.180
SRR4028-331Y	330	±30	16.48	0.796	5	1700	0.30	0.170
SRR4028-391Y	390	±30	13.18	0.796	4	2200	0.26	0.160
SRR4028-471Y	470	±30	13.26	0.796	3	2600	0.24	0.155
SRR4028-561Y	560	±30	16.46	0.796	3	3000	0.22	0.150

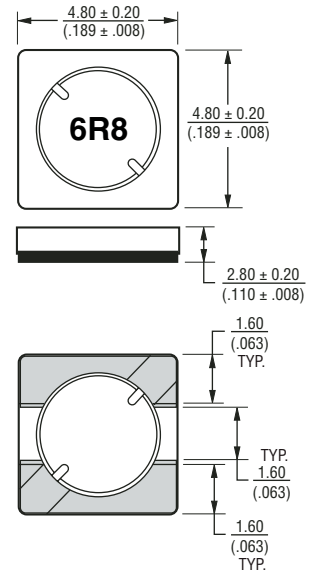
## General Specifications

Test Voltage .....0.1 V, 100 KHz  
 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.

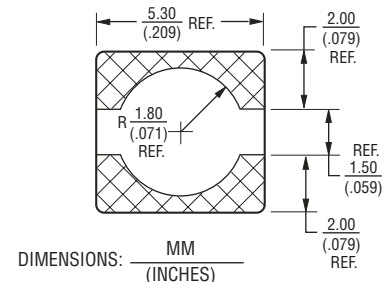
## Materials

Core Material.....Ferrite  
 Wire .....Enamelled Copper  
 Adhesive.....Epoxy Resin  
 Terminal.....Ag/Ni/Sn  
 Rated Current .....Ind. drop of 35 % typ.  
 at I<sub>sat</sub>  
 Temperature Rise .....30 °C typ. at I<sub>rms</sub>  
 Packaging.....500 pcs. per reel

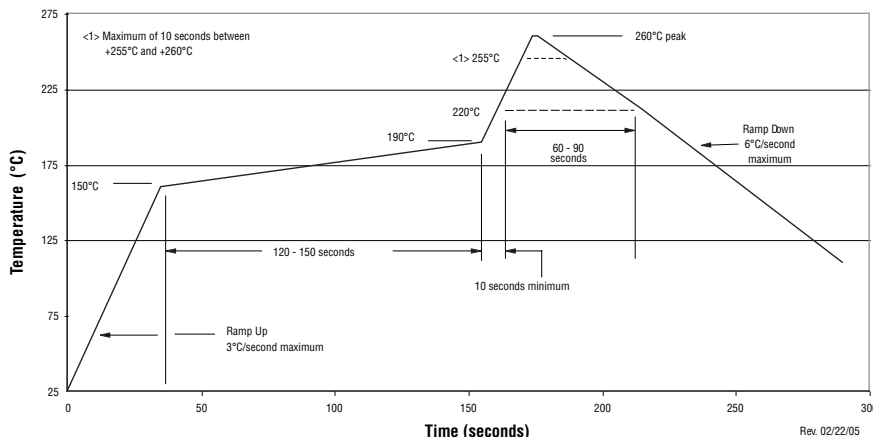
## Product Dimensions



## Recommended Layout



## Soldering Profile



\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex  
 Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.

