



## Features

- Available in E6 values
- Current rating to 3.50 amps
- RoHS compliant\*

## Additional Information

Click these links for more information:



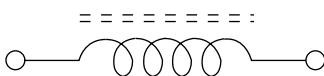
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## SRR7045 Series - Shielded SMD Power Inductors

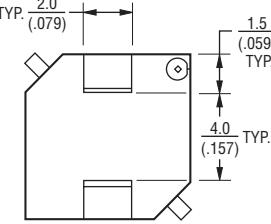
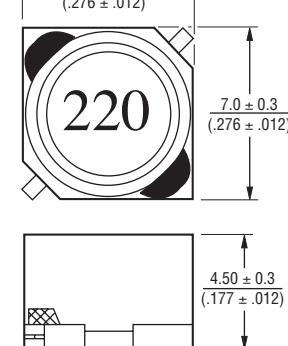
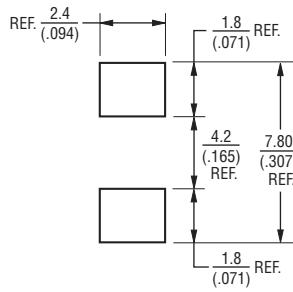
### Electrical Specifications

Bourns Part No.	Inductance 1 KHz		Q Typ.	Test Frequency (MHz)	SRF Typ. (MHz)	RDC Max. ( $\Omega$ )	I rms Typ. (A)	I sat Typ. (A)
	uH	Tol. %						
SRR7045-1R0M	1.0	$\pm 20$	10	7.96	160	0.020	5.20	6.00
SRR7045-2R2M	2.2	$\pm 20$	10	7.96	95	0.022	4.20	4.20
SRR7045-2R7M	2.7	$\pm 20$	10	7.96	60	0.027	3.50	3.50
SRR7045-3R3M	3.3	$\pm 20$	12	7.96	90	0.027	3.50	3.30
SRR7045-3R9M	3.9	$\pm 20$	12	7.96	75	0.030	3.40	3.20
SRR7045-4R7M	4.7	$\pm 20$	12	7.96	60	0.033	3.30	2.80
SRR7045-5R6M	5.6	$\pm 20$	12	7.96	50	0.035	3.20	2.50
SRR7045-6R3M	6.3	$\pm 20$	10	7.96	30	0.038	3.00	2.45
SRR7045-6R8M	6.8	$\pm 20$	12	7.96	40	0.036	3.10	2.40
SRR7045-100M	10	$\pm 20$	40	2.52	23	0.048	2.70	1.90
SRR7045-120M	12	$\pm 20$	40	2.52	20	0.054	2.40	1.80
SRR7045-150M	15	$\pm 20$	40	2.52	17	0.062	2.20	1.50
SRR7045-180M	18	$\pm 20$	40	2.52	16	0.070	2.10	1.40
SRR7045-220M	22	$\pm 20$	40	2.52	15	0.082	1.90	1.30
SRR7045-270M	27	$\pm 20$	30	2.52	13.5	0.100	1.80	1.15
SRR7045-330M	33	$\pm 20$	30	2.52	11	0.115	1.60	1.00
SRR7045-390M	39	$\pm 20$	30	2.52	10.5	0.130	1.50	0.95
SRR7045-470M	47	$\pm 20$	30	2.52	10	0.160	1.40	0.90
SRR7045-560M	56	$\pm 20$	25	2.52	9	0.180	1.30	0.80
SRR7045-680M	68	$\pm 20$	25	2.52	8.5	0.210	1.20	0.75
SRR7045-820M	82	$\pm 20$	25	2.52	6.5	0.270	1.10	0.65
SRR7045-101M	100	$\pm 20$	40	0.796	6	0.300	1.00	0.60
SRR7045-121M	120	$\pm 20$	40	0.796	5.5	0.380	0.90	0.55
SRR7045-151M	150	$\pm 20$	40	0.796	5	0.460	0.80	0.50
SRR7045-181M	180	$\pm 20$	40	0.796	4.7	0.600	0.66	0.45
SRR7045-221M	220	$\pm 20$	40	0.796	4.5	0.690	0.64	0.40
SRR7045-271M	270	$\pm 20$	40	0.796	4	0.600	0.62	0.30
SRR7045-331M	330	$\pm 20$	40	0.796	3.8	0.730	0.60	0.27
SRR7045-391M	390	$\pm 20$	50	0.796	3.6	1.000	0.54	0.25
SRR7045-471M	470	$\pm 20$	50	0.796	3.2	1.100	0.50	0.23
SRR7045-561M	560	$\pm 20$	50	0.796	2.9	1.340	0.45	0.21
SRR7045-681M	680	$\pm 20$	50	0.796	2.5	1.600	0.40	0.20
SRR7045-821M	820	$\pm 20$	50	0.796	2.4	1.850	0.37	0.18
SRR7045-102M	1000	$\pm 20$	90	0.252	2.2	2.370	0.33	0.16

### Schematic



### Recommended Layout



DIMENSIONS: MM (INCHES)

**CALIFORNIA WARNING:** Can expose you to lead, a carcinogen and reproductive toxicant. See [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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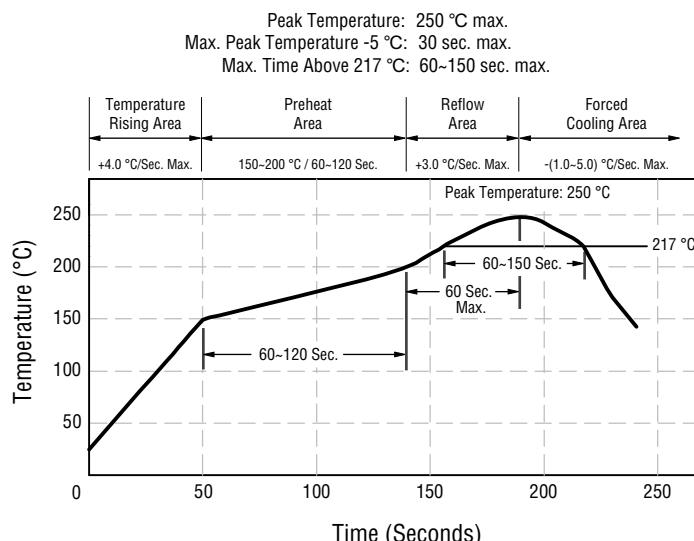
## Applications

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

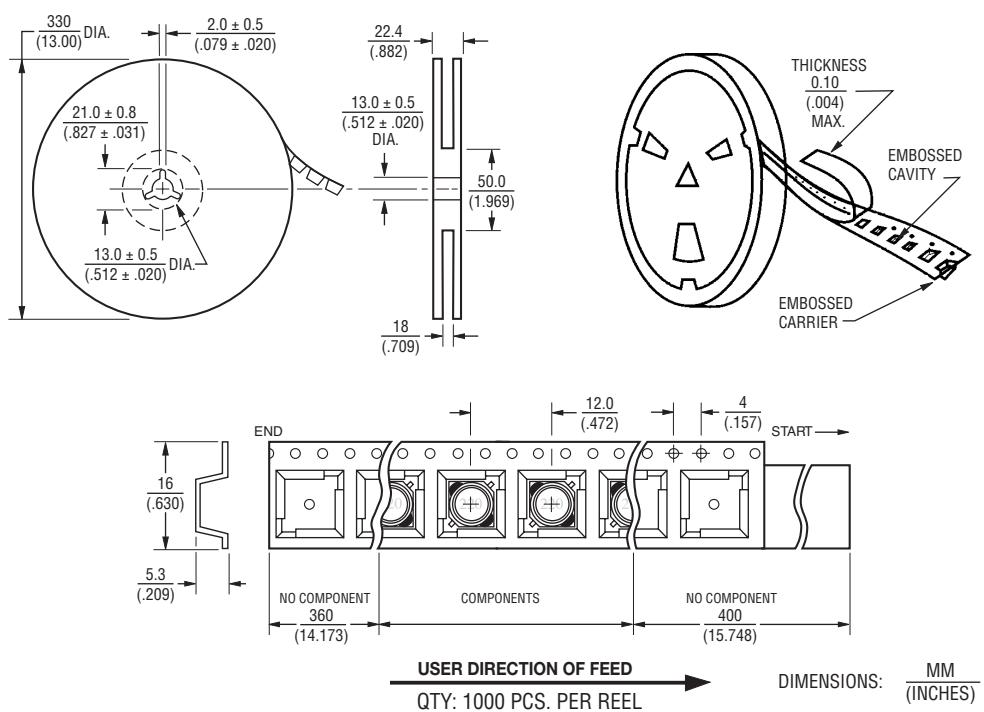
## SRR7045 Series - Shielded SMD Power Inductors

**BOURNS®**

### Soldering Profile



### Packaging Specifications



REV. 01/26

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