

Features

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

Applications

■ Input/output of DC/DC converters

General Specifications

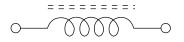
- Power supplies for:
 - · Portable communication equipment
 - · Camcorders
 - LCD TVs

SRR7045 Series - Shielded SMD Power Inductors

Electrical Specifications

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

Schematic



WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

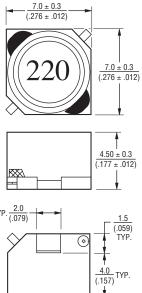
*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

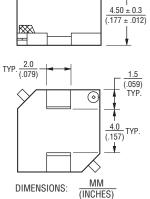
Operating Temperature-40 °C to +125 °C (Temperature rise included) Storage Temperature-40 °C to +125 °C Resistance to Soldering Heat260 °C for 10 sec. Moisture Sensitivity Level.....1 ESD Classification (HBM).....N/A **Materials**

CoreFerrite DR & RI
Wire Enameled copper wire 130
TerminalCu/Ni/Sn
Rated Current
Ind. drop of 10 % typ. at Isat
(-1R0M, -2R2M, -3R3M through
-5R6M, -6R8M through -221M)
Ind. drop of 20 % typ. at Isat
(-2R7M, -6R3M)
Ind. drop of 25 % typ. at Isat
(-271M through -102M)
Temperature Rise
40 °C max. at rated Irms

Packaging......1000 pcs. per reel

Product Dimensions



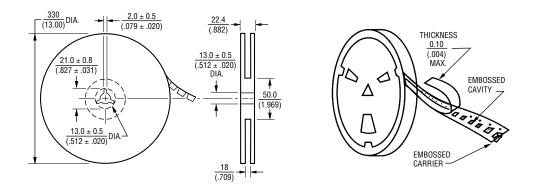


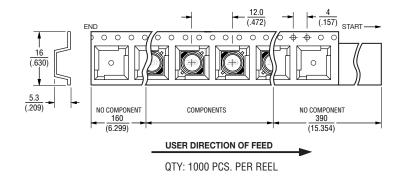
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 $\frac{1.8}{(.071)}$ REF.

Recommended Layout

Packaging Specifications





DIMENSIONS: (INCHES)

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