

Features

- Available in E6 series
- Unit height of 8.5 mm
- Current rating up to 7.5 A
- RoHS compliant*

Applications

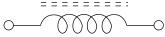
- Input/output of DC/DC converters
- Power supplies for:
 - · Portable communication equipment
 - · Camcorders
 - LCD TVs

SRR1208 Series - Shielded High Power Inductors

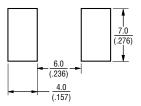
Electrical Characteristics

	Inductance 1 KHz			Test	CDE	RDC	l rms	I sat
Bourns Part No.	(µH)	Tol. %	Q Ref.	Frequency (MHz)	SRF Min. (MHz)	Max. (Ω)	Max. (A)	Typ.
SRR1208-2R5ML	2.5	± 20	20	7.96	37	0.011	7.50	10.00
SRR1208-4R5ML	4.5	± 20	24	7.96	30	0.014	6.50	10.00
SRR1208-6R5ML	6.5	± 20	25	7.96	20	0.018	6.00	8.40
SRR1208-100ML	10	± 20	20	2.52	15	0.021	5.00	6.70
SRR1208-120ML	12	± 20	19	2.52	11	0.025	4.80	6.50
SRR1208-150ML	15	± 20	21	2.52	11	0.036	4.00	5.60
SRR1208-180ML	18	± 20	21	2.52	9.0	0.040	3.80	4.00
SRR1208-220ML	22	± 20	23	2.52	7.0	0.043	3.50	4.00
SRR1208-270ML	27	± 20	23	2.52	6.5	0.048	3.00	4.30
SRR1208-330YL	33	± 15	23	2.52	6.5	0.062	2.80	3.80
SRR1208-390YL	39	± 15	25	2.52	6.0	0.076	2.50	3.40
SRR1208-470YL	47	± 15	24	2.52	5.0	0.085	2.20	3.10
SRR1208-560YL	56	± 15	23	2.52	5.0	0.110	2.00	2.80
SRR1208-680YL	68	± 15	20	2.52	5.0	0.135	1.80	2.60
SRR1208-820YL	82	± 15	18	2.52	4.0	0.150	1.60	2.30
SRR1208-101YL	100	± 15	15	0.796	4.0	0.170	1.50	2.10
SRR1208-121YL	120	± 15	15	0.796	3.0	0.190	1.40	2.00
SRR1208-151YL	150	± 15	14	0.796	3.0	0.240	1.30	1.72
SRR1208-181YL	180	± 15	14	0.796	2.5	0.270	1.20	1.70
SRR1208-221KL	220	± 10	13	0.796	2.5	0.380	1.10	1.45
SRR1208-271KL	270	± 10	13	0.796	2.0	0.400	0.95	1.25
SRR1208-331KL	330	± 10	13	0.796	1.8	0.650	0.85	1.12
SRR1208-391KL	390	± 10	14	0.796	1.6	0.670	0.80	1.10
SRR1208-471KL	470	± 10	14	0.796	1.4	0.850	0.70	0.95
SRR1208-561KL	560	± 10	14	0.796	1.4	0.900	0.65	0.90
SRR1208-681KL	680	± 10	13	0.796	1.2	1.00	0.60	0.82
SRR1208-821KL	820	± 10	12	0.796	1.2	1.15	0.55	0.77
SRR1208-102KL	1000	± 10	11	0.252	1.0	1.65	0.50	0.67
SRR1208-122KL	1200	± 10	10	0.252	0.80	2.00	0.40	0.57
SRR1208-152KL	1500	± 10	10	0.252	0.75	2.35	0.36	0.55
SRR1208-182KL	1800	± 10	20	0.252	0.70	3.40	0.46	0.48
SRR1208-222KL	2200	± 10	20	0.252	0.65	4.20	0.40	0.42
SRR1208-272KL	2700	± 10	20	0.252	0.60	5.20	0.35	0.38
SRR1208-332KL	3300	± 10	20	0.252	0.50	6.40	0.32	0.35
SRR1208-392KL	3900	± 10	20	0.252	0.45	7.80	0.30	0.32
SRR1208-472KL	4700	± 10	20	0.252	0.42	9.60	0.28	0.30
SRR1208-562KL	5600	± 10	18	0.252	0.40	12.0	0.25	0.28
SRR1208-682KL	6800	± 10	18	0.252	0.38	15.2	0.22	0.25
SRR1208-822KL	8200	± 10	16	0.252	0.35	17.0	0.20	0.22
SRR1208-103KL	10000	± 10	24	0.0796	0.30	19.2	0.18	0.20

Schematic



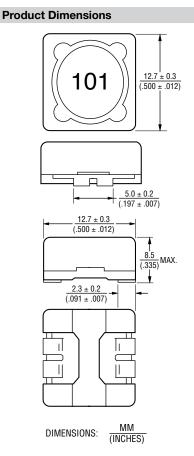
Recommended Layout



General Specifications
Test Voltage1 V
Operating Temperature
40 °C to +125 °C
(Temperature rise included)
Storage Temperature
40 °C to +125 °C
Resistance to Soldering Heat
260 °C for 5 sec.
Rated Current
Ind. drop of 10 % typ. at Isat
Temperature Rise
40 °C max. at rated Irms
Materials

Core.....Ferrite DR & RI core Wire Enameled copper BaseLCP E4008 Terminal Cu/Ni/Sn

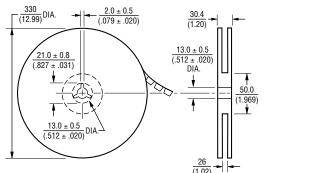
Packaging......400 pcs. per reel

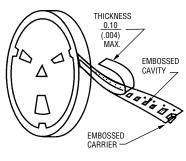


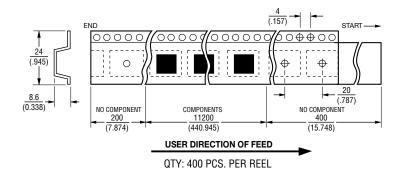


*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

Packaging Specifications







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

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