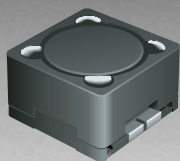


LEAD FREE
VERSIONS ARE
ROHS COMPLIANT



BOURNS®

Features

- Available in E12 series
- Unit height of 6.5 mm
- Current up to 6 A
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant*

Applications

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

SRR1206 Series - Shielded High Power Inductors

Electrical Specifications

Bourns Part No.	Inductance 1kHz		Q Ref.	Test Frequency (MHz)	SRF Min. (MHz)	RDC (mΩ)	I rms Max. (A)	I sat Typ. (A)
	(μH)	Tol. %						
SRR1206-2R5M_	2.5	± 20	19	7.96M	30.0	16	6.20	10.00
SRR1206-5R0M_	5.0	± 20	21	7.96M	25.0	22	4.70	8.30
SRR1206-7R5M_	7.5	± 20	22	7.96M	22.0	25	3.80	6.90
SRR1206-100M_	10	± 20	18	2.52M	18.0	35	3.30	5.70
SRR1206-120M_	12	± 20	18	2.52M	17.0	38	3.00	5.50
SRR1206-150M_	15	± 20	19	2.52M	16.0	42	2.80	5.10
SRR1206-180M_	18	± 20	19	2.52M	14.0	50	2.50	4.70
SRR1206-220M_	22	± 20	21	2.52M	11.0	62	2.30	3.80
SRR1206-270M_	27	± 20	21	2.52M	10.0	68	2.00	3.70
SRR1206-330Y_	33	± 15	21	2.52M	9.0	90	1.90	3.10
SRR1206-390Y_	39	± 15	23	2.52M	9.0	100	1.75	3.00
SRR1206-470Y_	47	± 15	22	2.52M	7.0	130	1.60	2.50
SRR1206-560Y_	56	± 15	21	2.52M	7.0	155	1.45	2.50
SRR1206-680Y_	68	± 15	18	2.52M	7.0	170	1.30	2.20
SRR1206-820Y_	82	± 15	16	2.52M	6.0	185	1.20	2.10
SRR1206-101Y_	100	± 15	13	0.796M	6.0	220	1.10	1.90
SRR1206-121Y_	120	± 15	13	0.796M	5.0	260	1.00	1.80
SRR1206-151K_	150	± 10	13	0.796M	5.0	320	0.90	1.60
SRR1206-181K_	180	± 10	12	0.796M	4.5	330	0.80	1.30
SRR1206-221K_	220	± 10	11	0.796M	4.0	460	0.70	1.20
SRR1206-271K_	270	± 10	11	0.796M	3.5	520	0.65	1.10
SRR1206-331K_	330	± 10	11	0.796M	3.0	660	0.60	1.00
SRR1206-391K_	390	± 10	13	0.796M	2.5	870	0.55	0.95
SRR1206-471K_	470	± 10	12	0.796M	2.5	970	0.50	0.83
SRR1206-561K_	560	± 10	13	0.796M	2.0	1320	0.45	0.80
SRR1206-681K_	680	± 10	11	0.796M	2.0	1500	0.40	0.70
SRR1206-821K_	820	± 10	10	0.796M	2.0	1700	0.35	0.65
SRR1206-102K_	1000	± 10	10	0.252M	1.8	2300	0.30	0.54
SRR1206-122K_	1200	± 10	10	0.252M	1.5	2650	0.25	0.51
SRR1206-152K_	1500	± 10	10	0.252M	1.2	3500	0.20	0.42

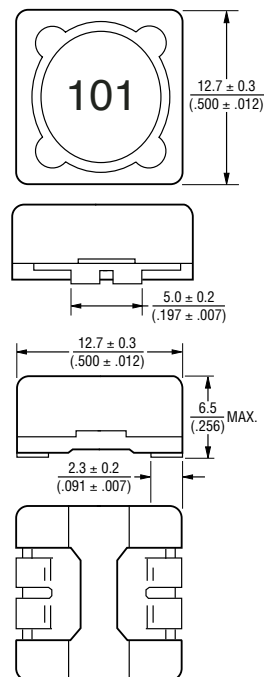
General Specifications

Test Voltage 1 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 5 sec.

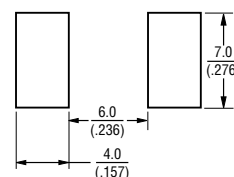
Materials

Core Ferrite DR and RI core
 Wire Enameled copper
 Base LCP E4008
 Terminal See How to Order
 Rated Current... Ind. drop 10 % typ. at Isat
 Temperature Rise
 40 °C max. at rated I rms
 Packaging 600 pcs. per reel

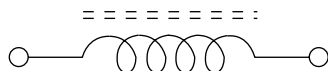
Product Dimensions



Recommended Layout



Electrical Schematic



How to Order

SRR1206 - 100M

Model _____
 Value/Tolerance: from table _____
 Termination _____
 L = Cu/Ni/Sn
 Blank = Cu/Ni/SnPb

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

*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.

SRR1206 Series - Shielded High Power Inductors

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Packaging Specifications

