THE DATASHEET OF

SRR1260A-100M

Features

- Shielded construction
- Inductance range: 1 to 1000 µH
- Heating current up to 9.4 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRR1260A Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

Bourns Part Number	Inductance			Q (Ref.)	Test Freq. (MHz)	SRF (MHz) Typ.	DCR (mΩ) Max.	I rms (A)	I sat (A)
	L (µH)	Tol. (%)	Test Frequency/ Voltage						
SRR1260A-1R0Y	1.0	±30	100 KHz/0.1 V	26	7.96	100	7.8	9.4	10.0
SRR1260A-1R2Y	1.2	±30	100 KHz/0.1 V	18	7.96	91.1	8.0	9.2	9.8
SRR1260A-1R5Y	1.5	±30	100 KHz/0.1 V	24	7.96	86	9.5	8.8	9.0
SRR1260A-2R2Y	2.2	±30	100 KHz/0.1 V	22	7.96	70	10.5	8.2	8.5
SRR1260A-2R4Y	2.4	±30	100 KHz/0.1 V	18	7.96	63.8	11.5	7.8	8.0
SRR1260A-3R3Y	3.3	±30	100 KHz/0.1 V	20	7.96	40	12.0	7.6	7.8
SRR1260A-3R5Y	3.5	±30	100 KHz/0.1 V	22	7.96	37.6	13.0	7.5	7.6
SRR1260A-4R7Y	4.7	±30	100 KHz/0.1 V	19	7.96	36.7	15.5	6.8	7.0
SRR1260A-5R6Y	5.6	±30	100 KHz/0.1 V	19	7.96	33	16.2	6.7	6.9
SRR1260A-6R1Y	6.1	±30	100 KHz/0.1 V	21	7.96	29.8	17.0	6.6	6.8
SRR1260A-6R8Y	6.8	±30	100 KHz/0.1 V	20	7.96	28.2	18.0	6.3	6.5
SRR1260A-7R6Y	7.6	±30	100 KHz/0.1 V	16	7.96	27.9	19.0	6.0	6.2
SRR1260A-8R2Y	8.2	±30	100 KHz/0.1 V	18	7.96	24	19.5	5.7	5.8
SRR1260A-100M	10	±20	1 KHz/1 V	32	2.52	21	20.0	5.5	5.5
SRR1260A-120M	12	±20	1 KHz/1 V	27	2.52	19.4	23.0	5.2	5.0
SRR1260A-150M	15	±20	1 KHz/1 V	25	2.52	17.6	27.0	5.0	4.6
SRR1260A-180M	18	±20	1 KHz/1 V	28	2.52	15.5	36.0	4.2	3.9
SRR1260A-220M	22	±20	1 KHz/1 V	29	2.52	13.4	43.0	4.0	3.7
SRR1260A-270M	27	±20	1 KHz/1 V	26	2.52	12.7	45.0	3.6	3.3
SRR1260A-330M	33	±20	1 KHz/1 V	27	2.52	9.97	60.0	3.0	2.8
SRR1260A-390M	39	±20	1 KHz/1 V	22	2.52	10.4	70.0	2.8	2.7
SRR1260A-470M	47	±20	1 KHz/1 V	22	2.52	7.63	86.0	2.6	2.5
SRR1260A-560M	56	±20	1 KHz/1 V	24	2.52	7.92	100	2.3	2.2
SRR1260A-680M	68	±20	1 KHz/1 V	22	2.52	7.43	110	2.1	2.1
SRR1260A-820M	82	±20	1 KHz/1 V	25	2.52	6.85	145	1.95	1.9
SRR1260A-101M	100	±20	1 KHz/1 V	26	0.796	6.07	180	1.7	1.7
SRR1260A-121K	120	±10	1 KHz/1 V	26	0.796	5.5	210	1.65	1.65
SRR1260A-151K	150	±10	1 KHz/1 V	20	0.796	5	260	1.55	1.55
SRR1260A-181K	180	±10	1 KHz/1 V	26	0.796	4.5	320	1.4	1.4
SRR1260A-221K	220	±10	1 KHz/1 V	22	0.796	4.2	380	1.38	1.3
SRR1260A-271K	270	±10	1 KHz/1 V	20	0.796	3.6	450	1.3	1.2
SRR1260A-331K	330	±10	1 KHz/1 V	22	0.796	3.2	580	1.15	1.1
SRR1260A-391K	390	±10	1 KHz/1 V	20	0.796	2.8	700	1.08	1.0
SRR1260A-471K	470	±10	1 KHz/1 V	18	0.796	2.6	820	0.95	0.9
SRR1260A-561K	560	±10	1 KHz/1 V	22	0.796	2.4	1000	0.88	0.8
SRR1260A-681K	680	±10	1 KHz/1 V	18	0.796	2.2	1150	0.8	0.75
SRR1260A-821K	820	±10	1 KHz/1 V	20	0.796	2	1500	0.73	0.63
SRR1260A-102K	1000	±10	1 KHz/1 V	30	0.252	1.8	1700	0.68	0.6

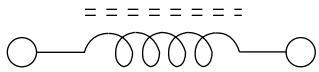
How to Order

SRR1260A - 100M

Model

Value Code (see table)

Electrical Schematic



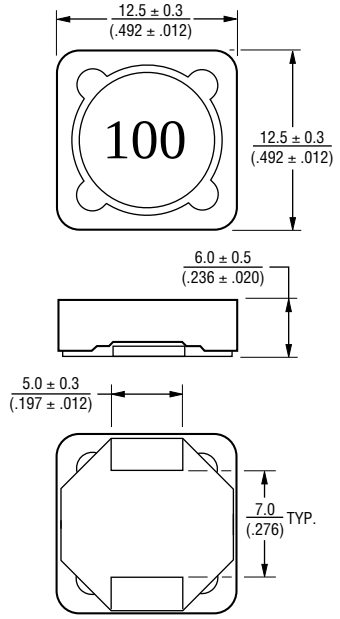
General Specifications

Operating Temperature .....-40 °C to +125 °C
(Temperature rise included)
Storage Temperature .....-40 °C to +125 °C
Temperature Rise .....40 °C typ. at rated I rms
Inductance Drop ..... 25 % typ. at I sat

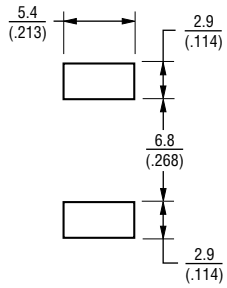
Materials

Core.....Ferrite
Wire .....Enameled copper
Terminal Finish .....Sn
Packaging..... 600 pcs. per reel

Product Dimensions



Recommended Layout



DIMENSIONS: MM / (INCHES)

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

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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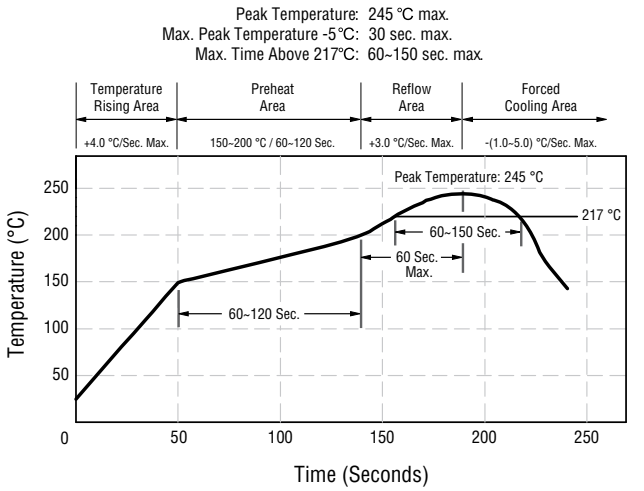
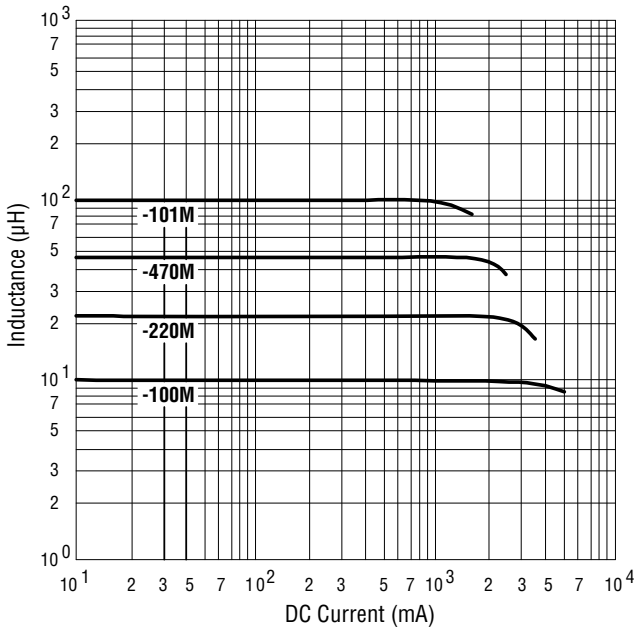
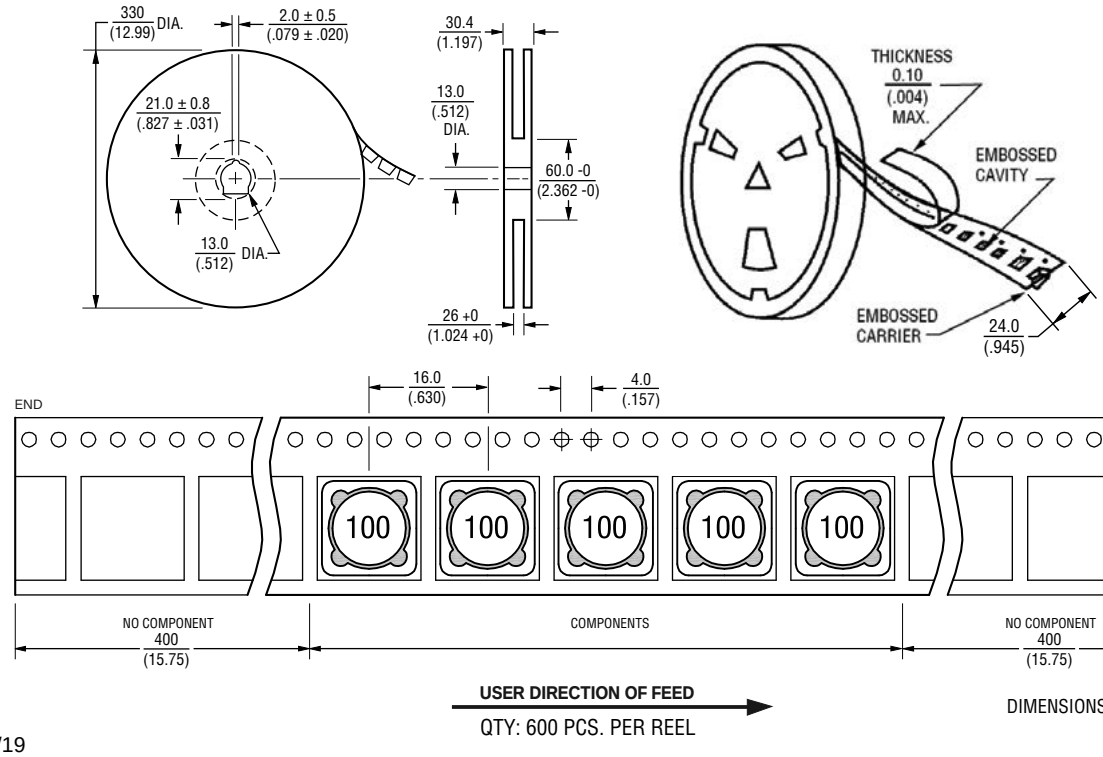
Soldering Profile



Inductance vs. DC Current Plot



Packaging Specifications



REV. 11/19

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- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management