



Features

- Shielded construction
- Inductance range: 10 to 680 μ H
- Heating current up to 2.1 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**



This series is currently available but not recommended for new designs. The [Model SRR0735HA Series](#) is the recommended replacement.

SRR0735A Series – Shielded Power Inductors

Electrical Specifications @ 25 °C

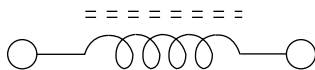
Bourns Part Number	Inductance @ 1 KHz / 1 V		DCR (Ω) Max.	I rms (A)	I sat (A)
	L (μ H)	Tol. (%)			
SRR0735A-100M	10	± 20	0.072	2.10	1.85
SRR0735A-120M	12	± 20	0.085	1.90	1.60
SRR0735A-150M	15	± 20	0.105	1.60	1.52
SRR0735A-180M	18	± 20	0.125	1.40	1.40
SRR0735A-220M	22	± 20	0.160	1.20	1.28
SRR0735A-270M	27	± 20	0.185	1.10	1.15
SRR0735A-330M	33	± 20	0.220	1.00	1.04
SRR0735A-390M	39	± 20	0.250	0.95	0.96
SRR0735A-470M	47	± 20	0.320	0.85	0.88
SRR0735A-560M	56	± 20	0.350	0.78	0.80
SRR0735A-680M	68	± 20	0.400	0.72	0.74
SRR0735A-820M	82	± 20	0.480	0.63	0.65
SRR0735A-101M	100	± 20	0.630	0.54	0.60
SRR0735A-121M	120	± 20	0.720	0.53	0.55
SRR0735A-151M	150	± 20	0.930	0.47	0.48
SRR0735A-181M	180	± 20	1.15	0.43	0.45
SRR0735A-221M	220	± 20	1.32	0.40	0.42
SRR0735A-271M	270	± 20	1.70	0.37	0.37
SRR0735A-331M	330	± 20	2.00	0.33	0.33
SRR0735A-391M	390	± 20	2.30	0.30	0.30
SRR0735A-471M	470	± 20	2.80	0.26	0.27
SRR0735A-561M	560	± 20	3.50	0.23	0.25
SRR0735A-681M	680	± 20	4.00	0.21	0.22

How to Order

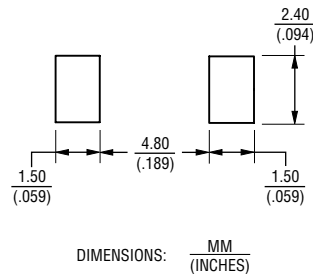
SRR0735A - 100M

Model _____
Value Code (see table) _____

Electrical Schematic



Recommended Layout



Additional Information

Click these links for more information:



[PRODUCT SELECTOR](#)



[TECHNICAL LIBRARY](#)



[INVENTORY](#)



[SAMPLES](#)



[CONTACT](#)

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

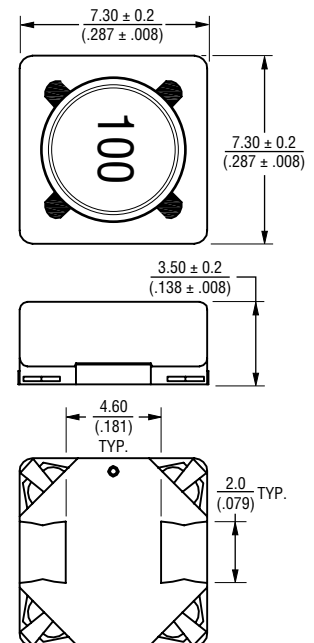
Core Ferrite

Wire Enameled copper

Terminal Finish Sn

Packaging 1500 pcs. per reel

Product Dimensions



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

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

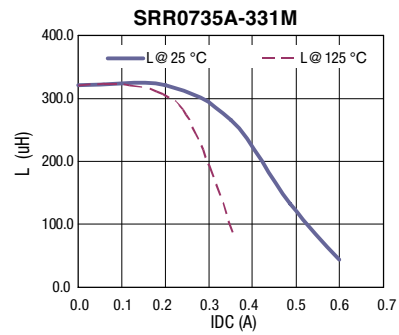
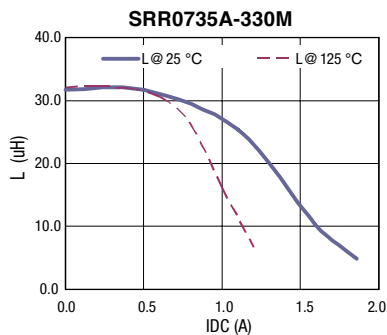
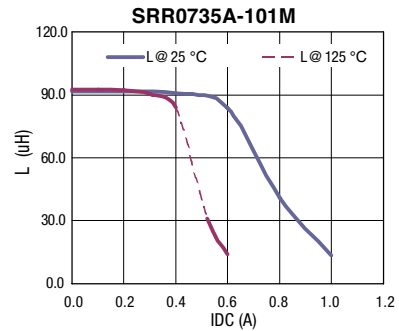
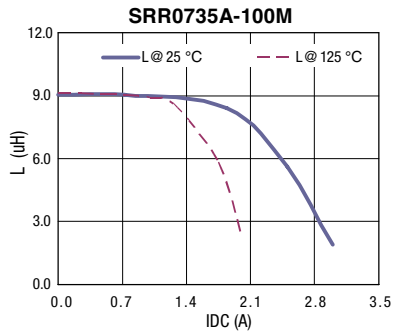
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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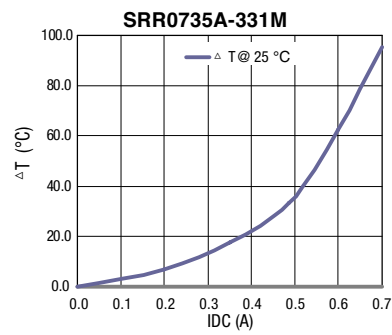
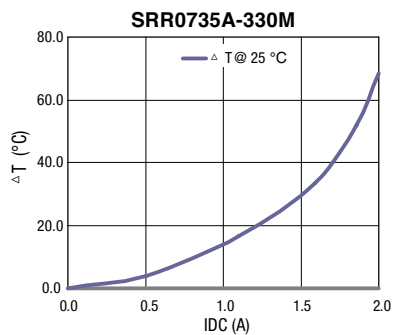
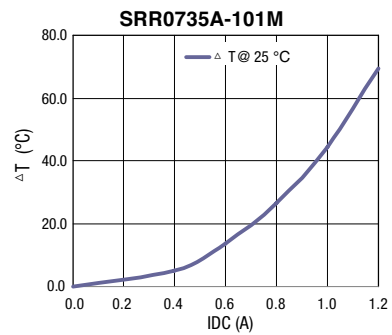
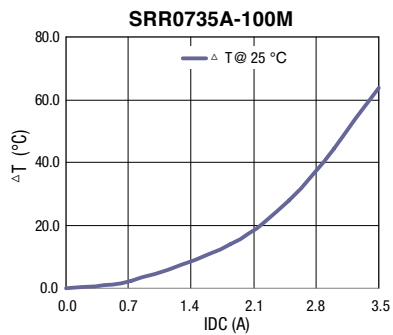
SRR0735A Series – Shielded Power Inductors

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L vs. IDC



Temperature vs. IDC



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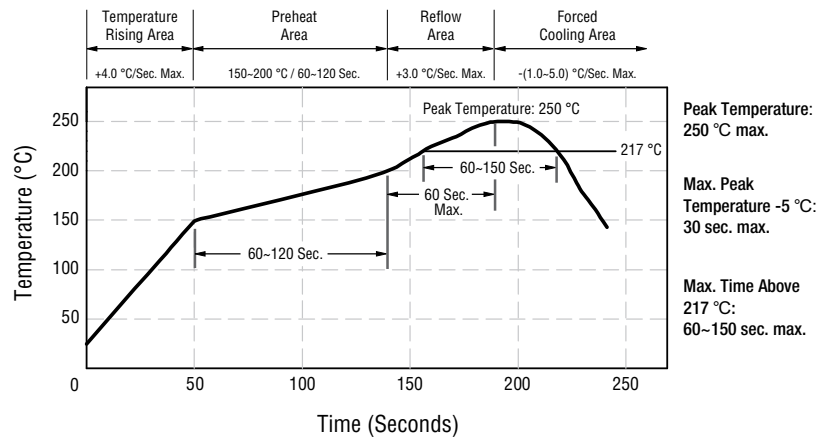
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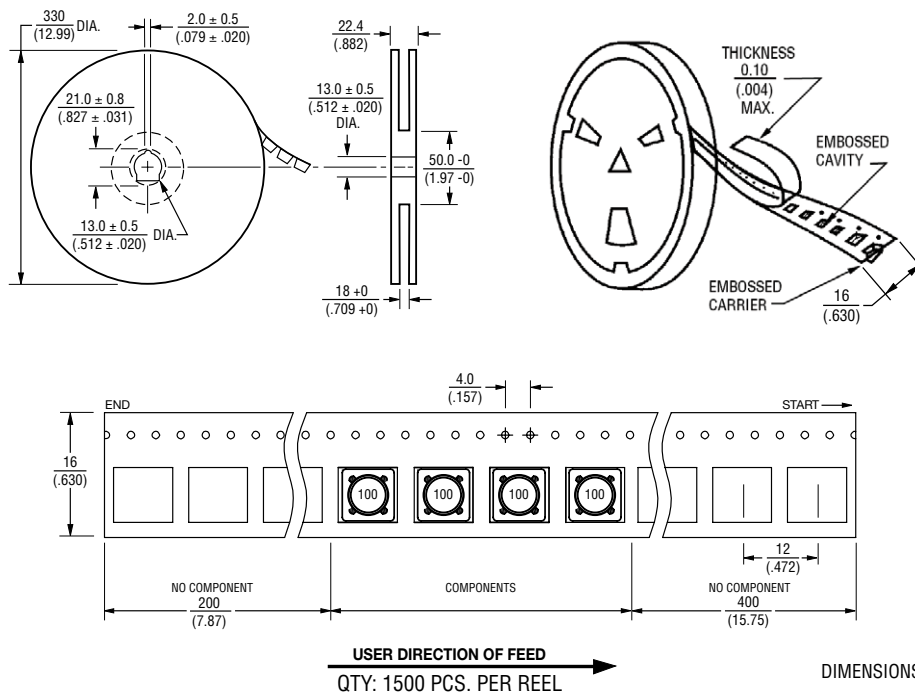
SRR0735A Series – Shielded Power Inductors

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Soldering Profile



Packaging Specifications



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<u>SRR0735A-120M</u>	<u>SRR0735A-681M</u>	<u>SRR0735A-390M</u>	<u>SRR0735A-680M</u>	<u>SRR0735A-391M</u>	<u>SRR0735A-220M</u>
<u>SRR0735A-271M</u>	<u>SRR0735A-330M</u>	<u>SRR0735A-561M</u>	<u>SRR0735A-560M</u>	<u>SRR0735A-151M</u>	<u>SRR0735A-101M</u>
<u>SRR0735A-180M</u>	<u>SRR0735A-470M</u>	<u>SRR0735A-100M</u>	<u>SRR0735A-121M</u>	<u>SRR0735A-471M</u>	<u>SRR0735A-270M</u>
<u>SRR0735A-150M</u>	<u>SRR0735A-331M</u>	<u>SRR0735A-221M</u>	<u>SRR0735A-820M</u>	<u>SRR0735A-181M</u>	