

Features

- Shielded construction for low radiation
- Metal alloy powder core for high saturation current
- Wide side terminal for enhanced mechanical strength
- High vibration resistance (15 G typical, 30 G peak)

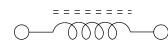
SRP1265WA Series - Shielded Power Inductors

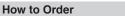
- High operating temperature
- Low buzz noise
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

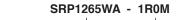
Electrical Specifications @ 25 °C

	Induc @ 100 k		Q Typ.	SRF (MHz)	DCR (mΩ)	DCR (mΩ)	Irms (A)	lsat (A)
Bourns Part No.	L (μ H)	Tol. %	100 kHz	Тур.	Тур.	Max.	Тур.	Typ.
SRP1265WA-R68M	0.68	20	20	48	1.35	1.62	36.5	36.5
SRP1265WA-1R0M	1.0	20	20	39	1.75	2.1	32	32
SRP1265WA-1R5M	1.5	20	20	30	2.3	2.76	27	29
SRP1265WA-2R2M	2.2	20	20	25	3.6	4.2	23	26
SRP1265WA-3R3M	3.3	20	20	19	5.9	6.8	19	24
SRP1265WA-4R7M	4.7	20	20	16	7.3	8.4	17	20
SRP1265WA-5R6M	5.6	20	20	14	9.1	10	15	18
SRP1265WA-6R8M	6.8	20	20	13	9.7	11.2	14	17
SRP1265WA-8R2M	8.2	20	20	11	11.8	13.6	13	16
SRP1265WA-100M	10	20	20	10	14.3	16.5	12	13.5
SRP1265WA-150M	15	20	20	8	23.6	27.2	9.0	10
SRP1265WA-220M	22	20	20	7	34.1	39.2	7.5	8.0
SRP1265WA-330M	33	20	20	6	53	61	6.3	7.2
SRP1265WA-470M	47	20	20	5	74.1	89	5.2	6.0

Electrical Schematic







Model _____ Value Code (see table)

Additional Information

Click these links for more information:



General Specifications

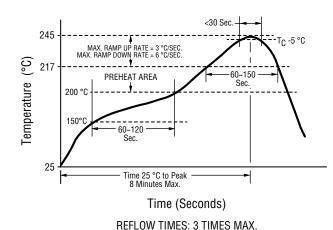
Operating Temperature

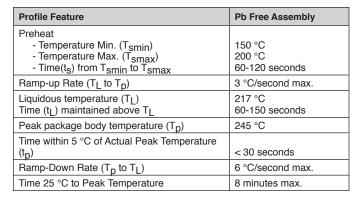
ESD Classification (HBM).....N/A ¹ Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

Materials

Core	Metal alloy powder
Wire	Enameled copper
Terminal Finish	Sn
Packaging 5	600 pcs. per 13-inch reel

Soldering Profile







WARNING Cancer and Reproductive Harm

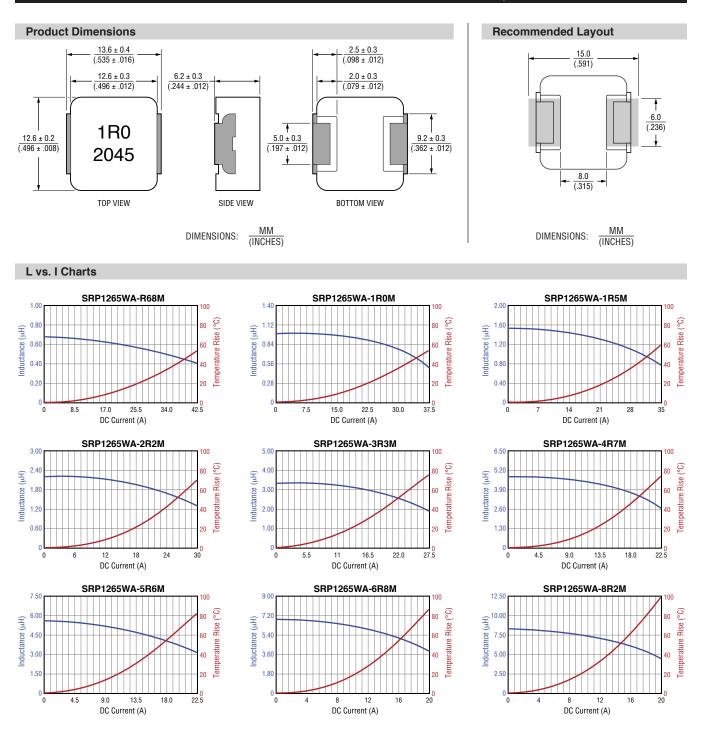
www.P65Warnings.ca.gov
RoHS Directive 2015/863, Mar 31, 2015 and Annex.

* 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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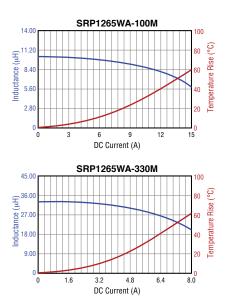
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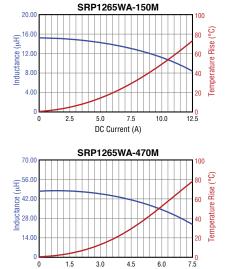
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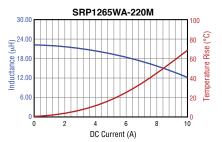
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L vs. I Charts (continued)





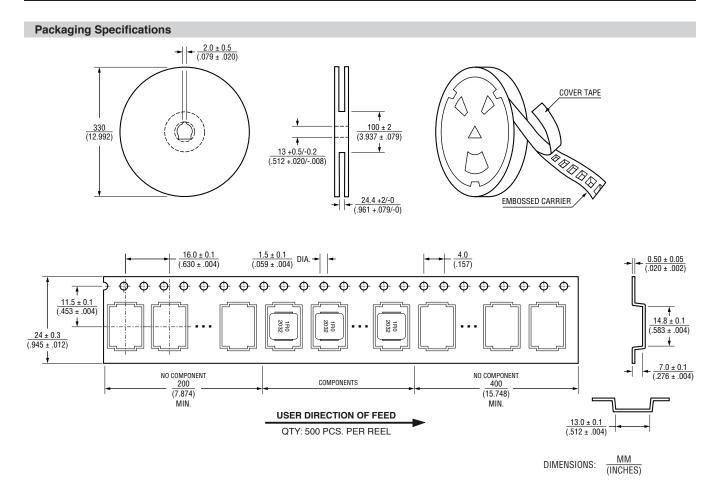
DC Current (A)



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