

Features

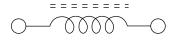
- Shielded construction for low radiation
- Metal alloy powder core for high saturation current
- RoHS compliant* and halogen free**

SRP3212 Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

	Inductance @ 100 kHz / 1 V		Q Typ.	SRF	DCR	DCR	Irms	Isat
Bourns Part No.	L (μ H)	Tol. %	@ 100 kHz	(MHz) Typ.	(mΩ) Typ.	(mΩ) Max.	(A) Typ.	(A) Typ.
SRP3212-R33M	0.33	20	3	132	10	13	8.5	9.1
SRP3212-R47M	0.47	20	3	100	16	19.2	7.0	8.2
SRP3212-R68M	0.68	20	5	83	20	24	6.2	7.3
SRP3212-1R0M	1.0	20	5	63	26	32	5.5	6.5
SRP3212-1R5M	1.5	20	5	43	44	53	4.4	5.0
SRP3212-2R2M	2.2	20	5	41	61	73	4.0	4.8
SRP3212-3R3M	3.3	20	5	28	87	101	3.1	3.4
SRP3212-4R7M	4.7	20	5	25	122	146	2.2	2.8

Electrical Schematic



How to Order

SRP3212 - R33M

Value Code (see table)

Additional Information

Click these links for more information:











PRODUCT SELECTOR TECHNICAL INVENTORY

CONTACT

General Specifications

Operating Temperature

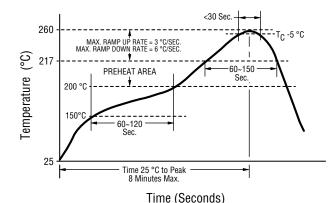
.....-40 °C to +125 °C (Temperature rise included)

Storage Temperature (Component)

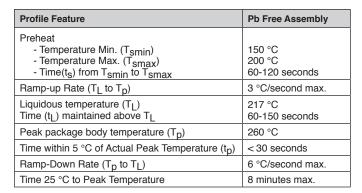
¹ Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

Materials

Soldering Profile



REFLOW TIMES: 3 TIMES MAX.





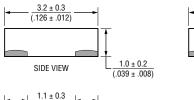
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

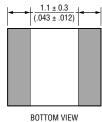
^{*} RoHS Directive 2015/863, Mar 31, 2015 and Annex.

^{**} 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.

SRP3212 Series - Shielded Power Inductors

Product Dimensions



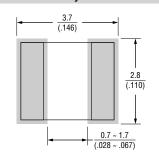


MM DIMENSIONS: (INCHES)

 $\frac{2.5 \pm 0.3}{(.098 \pm .012)}$

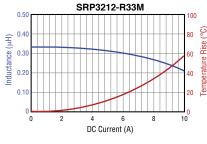
SIDE VIEW

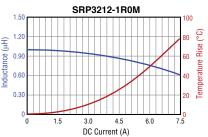
Recommended Layout

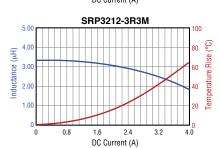


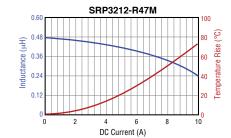
 MM DIMENSIONS: (INCHES)

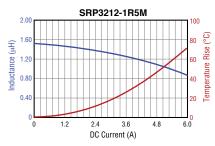
L vs. I Charts

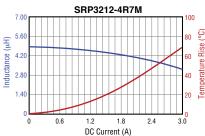


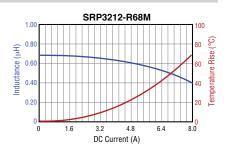


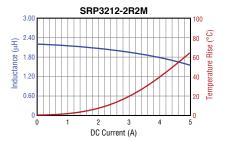








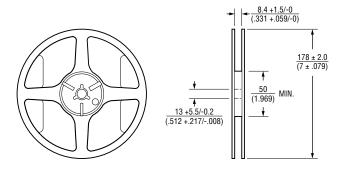


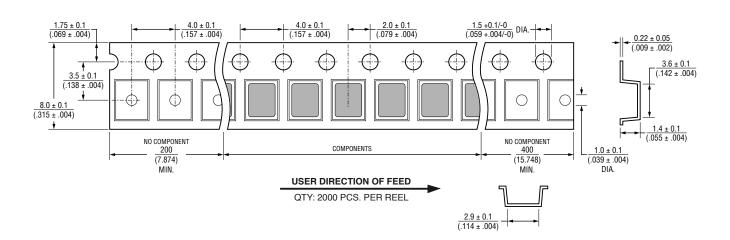


SRP3212 Series - Shielded Power Inductors

BOURNS

Packaging Specifications





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

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