



NEW PRODUCT RELEASE

MAGNETICS

ADVANCE NOTICE



Bourns Releases Consumer Grade High Current, Shielded Power Inductors

Model SRP3012C, SRP3020C, SRP5020C, SRP5030C, SRP1245C and SRP1265C Series

Riverside, California – TO BE RELEASED MARCH 13, 2020 – Bourns Inductive Components Product Line is introducing the Model SRP3012C, SRP3020C, SRP5020C, SRP5030C, SRP1245C and SRP1265C Series High Current, Shielded Power Inductors, designed to meet today's high current density requirement in various types of consumer electronics applications. These inductors are manufactured with a metal alloy powder core featuring low DC resistance, high heating / saturation current, low buzz noise, excellent temperature stability and shielded construction for low magnetic radiation.

The Model SRP3012C, SRP3020C, SRP5020C, SRP5030C, SRP1245C and SRP1265C series are a lower cost alternative to AEC-Q200 compliant models. They are well suited for DC/DC converters and power supplies in consumer, industrial, and telecom electronics applications.

Model	Size	Inductance	Heating Current I _{rms}	Saturation Current I _{sat}	Operating Temperature
SRP3012C Series	3.5 x 3.2 x 1 mm	0.15 – 10 µH	1.1 – 10 A	1.4 – 14 A	-40 to + 125 °C
SRP3020C Series	3.5 x 3.2 x 1.8 mm	0.1 – 10 µH	1.3 – 10 A	1.3 – 11.5 A	-40 to + 125 °C
SRP5020C Series	5.7 x 5.2 x 1.8 mm	0.1 – 10 µH	2.5 – 20 A	3.6 – 36 A	-40 to + 125 °C
SRP5030C Series	5.7 x 5.2 x 2.8 mm	0.1 – 10 µH	2.8 – 25 A	2.8 – 33 A	-40 to + 125 °C
SRP1245C Series	13.5 x 12.6 x 4.7 mm	0.15 – 22 µH	7.5 – 55 A	11 – 100 A	-40 to + 125 °C
SRP1265C Series	13.5 x 12.6 x 6.2 mm	0.22 – 33 µH	8 – 55 A	9 – 105 A	-40 to + 125 °C

Features

- Shielded construction
- Metal alloy powder core
- High saturation current
- Low buzz noise
- RoHS compliant* and halogen free**

Applications

- DC/DC converters
- Power supplies

For additional details on Bourns® Power Inductors, visit the Bourns website at www.bourns.com. Should you have any questions, please contact Bourns Customer Service/Inside Sales.

* 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.

IC1911A