



Bourns Releases Consumer Grade High Current, Shielded Power Inductors

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

Riverside, California – 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® High Current, Shielded Power Inductors, visit the Bourns website at www.bourns.com/products/magnetic-products/power-inductors-smd-high-current-shielded. 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.