



Bourns Releases New Low Profile Shielded Power Inductors

Model SRP0xxx Series

Riverside, California – March 31, 2020 – Bourns Inductive Components Product Line is introducing eleven new high current, very low profile, shielded power inductor series designed to meet today's high current density requirement in various types of consumer electronics applications. These inductor series are manufactured with a metal alloy powder core and flat wire featuring low core loss, low DC resistance, high current, low buzz noise, excellent temperature stability and shielded construction for low magnetic radiation. Operating temperatures range from -40 to +125 °C.

The new products 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}
SRP0312 Series	3.4 x 3.1 x 1.2 mm	0.47 - 4.7 µH	1.9 – 6.6 A	2.5 – 8 A
SRP0320 Series	3.4 x 3.1 x 2 mm	0.47 - 4.7 µH	2.2 – 7.4 A	3 – 12 A
SRP0412 Series	4.4 x 4.1 x 1.2 mm	0.47 - 10 µH	1.7 – 7.6 A	1.9 – 13.5 A
SRP0415 Series	4.4 x 4.1 x 1.5 mm	0.47 - 10 µH	1.9 – 9.3 A	2.1 – 13.8 A
SRP0420 Series	4.4 x 4.1 x 2 mm	0.47 - 10 µH	1.8 – 10.5 A	2.8 – 18 A
SRP0512 Series	5.4 x 5.1 x 1.2 mm	0.47 - 10 µH	2.1 – 8.3 A	2.5 – 14 A
SRP0515 Series	5.4 x 5.1 x 1.5 mm	0.47 - 10 µH	2.4 – 9.5 A	3.2 – 14.5 A
SRP0520 Series	5.4 x 5.1 x 2 mm	0.47 - 10 µH	2.4 – 12.5 A	4 – 20 A
SRP0612 Series	7.1 x 6.7 x 1.2 mm	0.47 - 10 µH	2.7 – 7.7 A	3 – 15.5 A
SRP0615 Series	7.1 x 6.7 x 1.5 mm	0.47 - 10 µH	3 – 12.5 A	3.8 – 20 A
SRP0620 Series	7.1 x 6.7 x 2 mm	0.47 - 10 µH	3.6 – 15.5 A	5 – 25 A

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](#).

Features

- Shielded construction
- Metal alloy powder core
- Very low profile: <2mm
- High saturation current
- Low buzz noise
- Flat wire
- Low core loss mold compound
- RoHS compliant* and halogen free**

Applications

- DC/DC converters
- Power supplies

* 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.