



Bourns Releases New Low Profile Shielded Power Inductors

Model SRP0310, SRP0315, SRP0410, SRP0510 and SRP0610 Series

Riverside, California – May 21, 2020 – Bourns Magnetics Product Line is introducing five new high current, very low profile, shielded power inductor series designed to meet today's high current density requirement and low profile assembly in various types of consumer electronics applications. These inductor series stand at 1 and 1.5 mm maximum height and 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.

These new series 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}
SRP0310 Series	3.4 x 3.1 x 1 mm	0.47 - 4.7 µH	1.8 – 5.6 A	2.1 – 7 A
SRP0315 Series	3.4 x 3.1 x 1.5 mm	0.47 - 4.7 µH	2.3 – 9 A	2.7 – 8.1 A
SRP0410 Series	4.4 x 4.1 x 1 mm	0.47 - 10 µH	1.4 – 5.2 A	1.7 – 9.2 A
SRP0510 Series	5.4 x 5.1 x 1 mm	0.47 - 10 µH	1.6 – 5 A	2.1 – 10.5 A
SRP0610 Series	7.1 x 6.7 x 1 mm	0.47 - 10 µH	2 – 4.7 A	2.5 – 10.5 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
- Low profile: 1 and 1.5 mm
- 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.