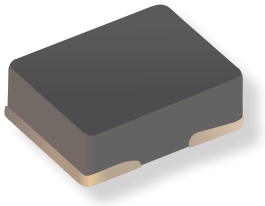
BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



Bourns Releases New Compact Size High Current Shielded Power Inductor

Model SRP3212 Series

Riverside, California – May 4, 2022 – Bourns Magnetics Product Line is introducing the all new Model SRP3212 Series Mini-Molding High Current Shielded Power Inductor in a compact size and low profile of 3.2 x 2.5 x 1 mm. These inductors are manufactured by a newly developed molding process with metal alloy powder cores featuring high saturation currents, high heating currents and shielded construction for low magnetic field radiation. The flat wire construction helps reduce DCR significantly compared to other similar sized devices that use conventional wire, making these new series of inductors highly efficient.

The Model SRP3212 inductor series has an operating temperature range of -40 to +125 °C. The small footprint and low profile features of these inductors make them a good choice for applications in wearable devices, HDDs, SSDs, smartphones and LCD displays.

Typical Characteristics:

Series	Size (mm)	Inductance (µH)	Heating Current I_{rms} (A)	Saturation Current I_{sat} (A)
SRP3212	3.2 x 2.5 x 1	0.33 – 4.7	2.2 – 8.5	2.8 – 9.1

Features

- Compact size
- Shielded construction
- Low radiation
- High current
- Low DCR
- RoHS compliant* and halogen free**

Applications

- DC-DC converters in consumer, industrial, and telecom electronics
- Wearable devices
- HDDs, SSDs
- Smartphones
- LCD displays

For additional details on Bourns® Power Inductors, visit the Bourns website at www.bourns.com/products/magnetic-products/power-inductors-smd-high-current-shielded.

If you have questions or need additional information, please feel free to 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.*

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