



Bourns Releases AEC-Q200 Compliant High Current Shielded Power Inductors

Model SRP2010TMA, SRP2012TMA, SRP2510TMA, SRP2512TMA and SRP3212A Series

Riverside, California – **June 3, 2022** – Bourns Magnetics Product Line is introducing the all new Mini-Molding Model [SRP2010TMA](#), [SRP2012TMA](#), [SRP2510TMA](#), [SRP2512TMA](#) and [SRP3212A](#) Series High Current Shielded Power Inductors which are compact and low profile at 0.8 mm and 1 mm in height. 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 to reduce the DCR significantly compared to other similar sized devices, and makes these new series of parts highly efficient.

These inductor series are AEC-Q200 compliant with operating temperatures up to +150 °C. The small footprint and low profile features of these inductors make them good choices 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)	Operating Temperature (°C)
SRP2010TMA	2 x 1.6 x 0.8	0.24 – 2.2	2.3 – 6.5	2.65 – 7.7	-55 to +150
SRP2012TMA	2 x 1.6 x 1	0.22 – 2.2	2.5 – 7	2.7 – 8	-55 to +150
SRP2510TMA	2.5 x 2 x 0.8	0.22 – 2.2	2.8 – 7.2	3 – 7.7	-55 to +150
SRP2512TMA	2.5 x 2 x 1	0.24 – 2.2	3.1 – 7.3	3.4 – 7.8	-55 to +150
SRP3212A	3.2 x 2.5 x 1	0.33 – 4.7	2.2 – 8.5	2.8 – 9.1	-40 to +150

For additional details on Bourns® AEC-Q200 Compliant Power Inductors, visit the Bourns website at www.bourns.com/products/magnetic-products/power-inductors-aec-q200-compliant.

If you have questions or need additional information, please feel free to contact [Bourns Customer Service / Inside Sales](#).

IC22038

Features

- Compact size
- Shielded construction
- Low radiation
- High saturation and high heating current
- Flat wire
- Low DCR
- Wide operating temperature range
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Applications

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

* 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.