



Bourns Releases New AEC-Q200 Compliant, Automotive Grade Semi-shielded Power Inductors

Model SRN2010BTA, SRN2510BTA, SRN3010BTA, SRN3012BTA and SRN3015BTA Series

Riverside, California – August 23, 2023 – Bourns Magnetics Product Line is introducing the new Automotive Grade Model [SRN2010BTA](#), [SRN2510BTA](#), [SRN3010BTA](#), [SRN3012BTA](#), and [SRN3015BTA](#) Series Semi-shielded Power Inductors. These inductors feature semi-shielded construction and bottom-soldered lead-wire for enhanced product reliability.

The Model SRN2010BTA, SRN2510BTA, SRN3010BTA, SRN3012BTA, and SRN3015BTA Series are AEC-Q200 compliant and have an operating temperature range of -55 to +125 °C. These inductors are well suited for automotive systems, DC-DC converters, and power supplies in consumer, industrial, and telecom applications in which higher inductor reliability may be required.

Typical Characteristics:

Model Series	Size (mm)	Inductance (μH)	Heating Current I _{rms} (A)	Saturation Current I _{sat} (A)	Operating Temperature (°C)
SRN2010BTA	2 x 1.6 x 0.9	0.24 - 8.2	0.8 - 5.2	0.7 - 4.1	-55 to +125
SRN2510BTA	2 x 2.5 x 0.9	0.47 - 15	0.8 - 3	0.62 - 3.3	
SRN3010BTA	3 x 3 x 0.9	1 - 22	0.7 - 3.4	0.5 - 2.4	
SRN3012BTA	3 x 3 x 1.0	0.22 - 47	0.65 - 6.2	0.52 - 8	
SRN3015BTA	3 x 3 x 1.3	0.24 - 47	0.7 - 5	0.46 - 6	

Features

- Semi-shielded construction
- Bottom-soldered lead-wire for enhanced product reliability
- AEC-Q200 compliant
- RoHS compliant* and halogen free**
- AUTOMOTIVE GRADE

Applications

- Automotive systems
- DC-DC converters
- Power supplies
- Consumer electronics

Please visit the Bourns website at www.bourns.com for additional product details and contact [Bourns Customer Service/Inside Sales](#) if you have any questions.

* 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.