



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

### Model SRN4012BTA & SRN4018BTA Series

Riverside, California – June 27, 2023 – Bourns Magnetics Product Line is introducing the new automotive grade Model [SRN4012BTA](#) and [SRN4018BTA](#) Series Semi-shielded Power Inductors. These inductors feature semi-shielded construction and bottom-soldered lead-wire for enhanced product reliability.

Both series are AEC-Q200 compliant and have an operating temperature range of -55 to +125 °C. These inductors are well suited for applications in automotive systems, power supplies, DC-DC converters, industrial, and telecom electronics where 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)
SRN4012BTA	4 x 4 x 1.0	0.47 - 47	0.65 - 5.5	0.48 - 5	-55 to +125
SRN4018BTA	4 x 4 x 1.6	0.47 - 100	0.28 - 5.5	0.42 - 6	-55 to +125

#### Features

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



#### Applications

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

Please visit the Bourns website at [www.bourns.com](http://www.bourns.com) for additional product details and contact [Bourns Customer Service](#) 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.