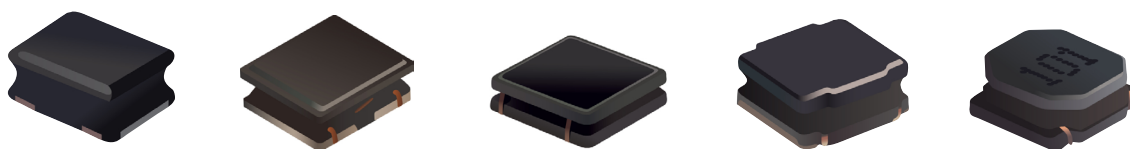




PRODUCT EXTENSION RELEASE

MAGNETICS



Bourns Introduces the Expansion of AEC-Q200 Compliant, Automotive Grade Semi-shielded Power Inductors

SRN2010BTA, SRN2510BTA, SRN3010BTA, SRN3015BTA, and SRN4018BTA Series

Riverside, California - July 3, 2025 – Bourns Magnetics Product Line is introducing the expansion of Automotive Grade [SRN2010BTA](#), [SRN2510BTA](#), [SRN3010BTA](#), [SRN3015BTA](#), and [SRN4018BTA](#) Series Semi-shielded Power Inductors.

These inductors feature semi-shielded construction and bottom-soldered lead-wire for enhanced product reliability.


The new models 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.

Characteristics:

Part Number	Size (mm)	Inductance (μH)	Heating Current Irms (A)	Saturation Current Isat (A)	Operating Temperature (°C)
SRN2010BTA-100M	2 x 1.6 x 0.9	10	0.72	0.62	-55 to +125
SRN2010BTA-150M	2 x 1.6 x 0.9	15	0.6	0.46	
SRN2010BTA-180M	2 x 1.6 x 0.9	18	0.55	0.42	
SRN2010BTA-220M	2 x 1.6 x 0.9	22	0.5	0.38	
SRN2510BTA-220M	2 x 2.5 x 0.9	22	0.62	0.52	
SRN3010BTA-470M	3 x 3 x 0.9	47	0.45	0.36	
SRN3015BTA-101M	3 x 3 x 1.3	100	0.4	0.33	
SRN4018BTA-151M	4 x 4 x 1.6	150	0.22	0.24	
SRN4018BTA-221M	4 x 4 x 1.6	220	0.17	0.275	

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

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
 - Driver assist
 - Infotainment
 - Lighting
- DC-DC converters
- Power supplies
- Consumer electronics

Additional Information

[DATA SHEETS](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

* 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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