



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

Model SRN8040HA Series

Riverside, California – June 22, 2023 – Bourns Magnetics Product Line is introducing the new AEC-Q200 compliant, automotive grade [Model SRN8040HA Series](#) Semi-shielded Power Inductors. Constructed with a magnetic-silica coating to the perimeter of the inductor winding to provide effective shielding, these inductors release lower magnetic field radiation compared to non-shielded inductors and are a more cost-efficient alternative to fully shielded ferrite-based inductors.

The Model SRN8040HA Series is designed to meet a broad operating temperature range from -40 to +150 °C and features high operating temperature capabilities. These inductors are well suited for DC-DC converters and power supplies in automotive, consumer, industrial, and telecom electronics applications in which higher inductor reliability may be required.

Characteristics:

Model Series	Size (mm)	Inductance (μH)	Heating Current I_{rms} (A)	Saturation Current I_{sat} (A)	Operating Temperature (°C)
SRN8040HA	7.9 x 8.15 x 4.2	0.5 - 100	1 - 10	1.3 - 15	-40 to +150

Features

- Semi-shielded construction
- High operating temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**
- **AUTOMOTIVE GRADE** 

Applications

- DC-DC converters
- Power supplies in automotive, consumer, industrial and telecom electronics

Please visit the Bourns website at 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.