



## Bourns Releases Automotive Grade Semi-shielded Power Inductors

### *Model SRN6045HA Series*

Riverside, California – August 4, 2021 – Bourns Magnetics Product Line is introducing the automotive grade [Model SRN6045HA Series Semi-shielded High Temperature Power Inductors](#). Constructed with a magnetic silicon coating to the perimeter of the inductor winding to provide effective shielding, these inductors release lower magnetic field radiation compared to non-shielded inductors. The new products are a more cost-efficient alternative to fully shielded ferrite based inductors, additionally offering high temperature operation compared to standard semi-shielded inductors.

The new Model SRN6045HA Series is AEC-Q200 compliant with a high operating temperature range of -55 to +150 °C and is 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.

#### *Model SRN6045HA Series Characteristics:*

Model	Size (mm)	Inductance	Heating Current $I_{rms}$	Saturation Current $I_{sat}$
SRN6045HA Series	6 x 6 x 4.7	0.55 - 100 $\mu$ H	0.72 - 7 A	1.2 – 18 A

#### Features

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

#### Applications

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

For additional details on Bourns® AEC-Q Compliant Products, visit the Bourns website at [www.bourns.com/products/aec-q-compliant-products](http://www.bourns.com/products/aec-q-compliant-products).

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

\* 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.