



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

Model SRR5228A and SRR5828A Series

Riverside, California – February 15, 2024 – Bourns Magnetics Product Line is introducing the new Automotive Grade Model [SRR5228A](#) and [SRR5828A](#) Series Shielded Power Inductors. These power inductors are designed with a ferrite core and ferrite shield for low magnetic field radiation, making them ideal for applications where low noise operating environments are essential.

The Model SRR5228A and SRR5828A Series inductors are AEC-Q200 compliant and authorized for use in automotive driver assistant devices, infotainment systems and lighting. They are also well-suited for DC-DC converters and power supplies in consumer, industrial and telecom applications in which higher inductor reliability may be required.

Characteristics:

Series	Size (mm)	Inductance (μH)	Heating Current I_{rms} (A)	Saturation Current I_{sat} (A)	Operating Temperature (°C)
SRR5228A	5.2 x 5.2 x 2.8	1.2 - 1000	0.21 - 5.2	0.15 - 4.3	-40 to +150
SRR5828A	5.8 x 5.8 x 2.8	2.6 - 1000	0.21 - 4.5	0.13 - 3.15	-40 to +150

Please visit the [Bourns® Magnetics Technical Library](#) for additional product details and contact [Bourns Customer Service/Inside Sales](#) if you have any questions.

Features

- Shielded construction – low radiation
- Inductance range up to 1000 μH
- Heating current up to 5.2 A
- RoHS compliant* and halogen free**
- AEC-Q200 compliant
- AUTOMOTIVE GRADE

Applications

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

* 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.