BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



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

Model SRR6838A Series

Riverside, California – February 10, 2025 – Bourns Magnetics Product Line is introducing the new Automotive Grade Model SRR6838A 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 SRR6838A Series is 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 Irms (A)	Saturation Current Isat (A)	Operating Temperature (°C)
SRR6838A	6.8 x 6.8 x 3.8	1.0 – 100	0.75 – 6.8	0.57 – 5.7	-55 to +150

Please contact Bourns Customer Service/Inside Sales if you have any questions.

Features

- Shielded construction for low radiation
- Inductance range: 1.0 to 100 µH
- Heating current up to 6.8 A
- RoHS compliant* and halogen free**
- AUTOMOTIVE GRADE

Applications

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

Additional Information

DATA SHEET | 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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