



Bourns® AEC-Q200 Compliant Model SRR1050HA Series Shielded Power Inductors are Now Approved as Automotive Grade Standard Components

Riverside, California – June 26, 2023 – The AEC-Q200 compliant [Model SRR1050HA Series Shielded Power Inductors](#) are now approved as automotive grade standard components. A list of affected part numbers is included below.

Designed with a ferrite core and ferrite shield for low magnetic field radiation, these power inductors are ideal for applications where a low-noise operating environment is essential. These shielded power inductors are also assembled with U-clip terminals for enhanced mechanical strength and mounting support of the component.

The Model SRR1050HA Series features a high operating temperature and have been designed to meet a broad operating temperature range from -55 to +150 °C. These inductors are well suited for DC-DC converters and power supplies in automotive, consumer, industrial, and telecom applications in which higher inductor reliability may be required.

Product Characteristics:

Model Series	Size (mm)	Inductance (μH)	Heating Current I_{rms} (A)	Saturation Current I_{sat} (A)	Operating Temperature (°C)
SRR1050HA	10 x 10.2 x 4.8	0.68 – 470	0.6 – 9.5	0.7 – 13.5	-55 to +150

Features

- Shielded construction for low radiation
- U-clip terminal for enhanced mounting strength
- Wide operating temperature range
- AEC-Q200 compliant
- RoHS compliant* and halogen free**



Applications

- Automotive
- 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.

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

IC23063

Affected Part Numbers

SRR1050HA-R68Y

SRR1050HA-1R2Y

SRR1050HA-2R2Y

SRR1050HA-3R3Y

SRR1050HA-4R2Y

SRR1050HA-6R8Y

SRR1050HA-8R2Y

SRR1050HA-100Y

SRR1050HA-120Y

SRR1050HA-150Y

SRR1050HA-180Y

SRR1050HA-220Y

SRR1050HA-270Y

SRR1050HA-330Y

SRR1050HA-390Y

SRR1050HA-470Y

SRR1050HA-560Y

SRR1050HA-680Y

SRR1050HA-820Y

SRR1050HA-101Y

SRR1050HA-121Y

SRR1050HA-151Y