



Bourns Releases New Automotive Grade High Current Shielded Power Inductors

Model SRP7020TA and SRP8540A Series

Riverside, California – November 16, 2021 – Bourns Magnetics Product Line is introducing the new automotive grade [Model SRP7020TA](#) and [SRP8540A](#) Series High Current Shielded Power Inductors that have been designed to meet today's high current density and high temperature requirements of various electronic applications. These inductor series are manufactured with a metal alloy powder core featuring low DC resistance, high heating / saturation current, low buzz noise, excellent temperature stability and shielded construction for low magnetic field radiation.

The Model SRP7020TA and SRP8540A Series are AEC-Q200 compliant with a wide operating temperature range from -55 to +150 °C and are well suited for DC-DC converters and power supplies in consumer, industrial, and telecom electronics applications in which higher inductor reliability may be required.

Model SRP7020TA and SRP8540A Series Characteristics:

Model	Size (mm)	Inductance Range	Heating Current I_{rms}	Saturation Current I_{sat}
SRP7020TA Series	7 x 6.6 x 1.8	0.1 - 10 μ H	2.8 - 21 A	4 - 40 A
SRP8540A Series	8.8 x 8.4 x 3.8	0.22 - 22 μ H	3.9 - 31 A	8 - 60 A

For additional details on Bourns® AEC-Q Compliant Products, visit the Bourns website at 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](#).

Features

- Shielded construction
- Metal alloy powder core
- High saturation current
- Low buzz noise
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Applications

- 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.