



## Bourns Releases New AEC-Q200 Compliant High Current Shielded Power Inductors

### *Model SRP1050WA, SRP5030WA, SRP6030WA & SRP7050WA Series*

Riverside, California – April 5, 2023 – Bourns Magnetics Product Line is introducing the new AEC-Q200 Compliant Model [SRP1050WA](#), [SRP5030WA](#), [SRP6030WA](#) and [SRP7050WA](#) Series High Current Shielded Power Inductors which are designed to meet today’s high current density, high temperature requirements and harsh vibration operating environments of various electronic applications. These four inductor series are constructed with a wider side terminal frame to withstand vibration levels of 15 G typical and 30 G peak. They are also manufactured with a metal alloy powder core featuring low DC resistance, high saturation current, low buzz noise, excellent temperature stability and shielded construction for low magnetic field radiation.

The Model SRP1050WA, SRP5030WA, SRP6030WA and SRP7050WA Series are AEC-Q200 compliant with an operating temperature range of -55 to +165 °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 Series	Size (mm)	Inductance (µH)	Heating Current $I_{rms}$ (A)	Saturation Current $I_{sat}$ (A)	Operating Temperature
SRP1050WA	11 x 10 x 5.1	1.0 - 100 µH	2.7 - 30	4 - 37	-55 to +165 °C
SRP5030WA	5.5 x 5.25 x 2.8	0.68 - 22 µH	2.2 - 12	2 - 11.7	-55 to +165 °C
SRP6030WA	7.1 x 6.6 x 2.8	0.47 - 22 µH	2.9 - 19	3 - 19	-55 to +165 °C
SRP7050WA	7.9 x 7.3 x 5.2	1.0 - 100 µH	2.2 - 20	2 - 23	-55 to +165 °C

## Features

- Shielded construction
- Metal alloy powder core
- High saturation current
- Wide side terminal for enhanced mechanical strength
- Excellent vibration resistance (15 G typical, 30 G peak)
- High operating temperature
- Low buzz noise
- AEC-Q200 compliant
- RoHS compliant\* and halogen free\*\*

## Applications

- DC-DC converters and power supplies in consumer, industrial and telecom electronics

Please visit the Bourns website at [www.bourns.com](http://www.bourns.com) for additional product details and contact Bourns Customer Service if you have any questions.

\* 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.