



Bourns Releases AEC-Q200 Compliant High Temperature Shielded Power Inductors

Model SRP6030VA and SRP1040VA Series

Riverside, California – March 16, 2020 – Bourns Inductive Components Product Line is introducing the Model [SRP6030VA](#) and [SRP1040VA](#) Series High Temperature Shielded Power Inductors. These models are built with a new metal alloy powder formulation and round enamel coated copper wire. The new metal alloy powder formulation allows for an extremely high operating temperature of 180 °C (incl. self heating) which makes these AEC-Q200 compliant inductors ideal for many high temperature environments. These inductors feature low DC resistance, high heating / saturation current, low buzz noise, excellent temperature stability and shielded construction for low magnetic radiation.

The Model SRP6030VA and SRP1040VA series are AEC-Q200 Compliant. These inductors are well suited for DC/DC converters and power supplies in consumer, industrial, low/medium risk medical*** and telecom applications where higher inductor reliability at elevated operating temperatures may be required.

Model	Size	Inductance	Heating Current Irms	Saturation Current Isat	Operating Temperature
SRP6030VA Series	7.1 x 6.6 x 2.8 mm	0.47 – 22 µH	3.4 - 20 A	3 – 21 A	-55 to +180 °C
SRP1040VA Series	11 x 10 x 3.8 mm	1 – 68 µH	3.5 – 27 A	3.5 – 29 A	-55 to +180 °C

For additional details on Bourns® AEC-Q200 Compliant Power Inductors, visit the Bourns website at www.bourns.com/products/magnetic-products/power-inductors-aec-q200-compliant. Should you have any questions, please contact [Bourns Customer Service/Inside Sales](#).

Features

- Shielded construction
- Metal alloy powder core
- High saturation current
- Low buzz noise
- High operating temperature: 180 °C
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Applications

- DC/DC converters
- Power supplies

* 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.

*** Bourns® products have not been designed for and are not intended for use in "lifesaving," "life-critical" or "life-sustaining" applications nor any other applications

where failure or malfunction of the Bourns® product may result in personal injury or death. See Legal Disclaimer Notice <http://www.bourns.com/docs/legal/disclaimer.pdf>.