## **BOURNS®**New Product Release

INDUCTIVE COMPONENTS





## Bourns Releases AEC-Q200 Compliant Semi-shielded Power Inductors Model SRN5020TA & SRN5040TA Series

Riverside, California - October 4, 2018 - Bourns Inductive Components Product Line is introducing the SRN5020TA and SRN5040TA Semi-shielded Power Inductor Series. Constructed with magnetic-epoxy coating to the perimeter of the inductor winding to provide effective shielding, these inductors release lower magnetic field radiation compared to non-shielded inductors, and these new products are available at a lower cost than comparably-sized conventional ferrite shield inductors.

Both series are compliant to the AEC-Q200 standard with an operating temperature range of -55 to +125 °C. These inductors are well suited for DC/DC converters and power supplies in consumer, industrial, medical\* and telecom applications where higher inductor reliability may be required.

Product Features				
Model	Size	Inductance Range	<b>Heating Current Range</b>	Saturation Current Range
SRN5020TA	5 x 5 x 1.8 mm	1 – 47 uH	0.7-4.1 A	0.7 – 5 A
SRN5040TA	4.95 x 4.95 x 3.8/3.9 mm	0.6 - 100 uH	0.72 – 8 A	0.75 – 11 A

Please visit Bourns website at <a href="https://www.bourns.com/products/magnetic-products/power-inductors-aec-q200-compliant">https://www.bourns.com/products/magnetic-products/power-inductors-aec-q200-compliant</a> for additional information on AEC-Q200 compliant inductive components.

Feel free to contact **Bourns Customer Service** if you have any questions.

## **Features**

- Semi-shielded construction
- Inductance range: 1 to 47 μH (SRN5020TA), or 0.6 to 100 μH (SRN5040TA)
- Rated current up to 4.1 A (SRN5020TA), or 8 A (SRN5040TA)
- AEC-Q200 compliant
- RoHS compliant\*\* and halogen free\*\*\*

## **Applications**

- DC/DC converters
- Power supplies

IC1837

 Americas:
 Tel: +1-951 781-5500
 EMEA:
 Tel: +36 88 520 390
 Asia-Pacific:
 Tel: +86-2 2562-4117

 americus@bourns.com
 eurocus@bourns.com
 asiacus@bourns.com

<sup>\*</sup> Excluding life-saving, life-critical or life-sustaining applications.

<sup>\*\*</sup> RoHS Directive 2015/863, Mar 31, 2015 and Annex.

<sup>\*\*\*</sup> 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.