

New Product Release

INDUCTIVE COMPONENTS



Bourns Releases Automotive Grade Semi-Shielded Power Inductor Series

Model SRN4018TA

Riverside, California - November 22, 2016 - Bourns Inductive Components Product Line is introducing the [Model SRN4018TA Semi-Shielded Power Inductor Series](#), primarily designed for automotive electronics applications. The Model SRN4018TA Series provides effective magnetic shielding with lower radiation compared to non-shielded inductors, and offers reduced cost to comparably-sized conventional ferrite shield inductors. Operating temperature ranges from -40 to +125 °C.

This series is AEC-Q200 qualified. Typical automotive application areas for these inductors are driver assistant devices, information/entertainment systems, lighting and other applications including DC/DC converters and power supplies.

Although this inductor series is primarily designed for automotive electronics applications, it is also well suited for consumer, industrial, medical, telecom and other applications where higher inductor reliability is required.

New Model	Product Size	Inductance Range	Heating Current Range	Saturation Current Range
SRN4018TA	4 x 4 x 1.8 mm	1 - 150 µH	0.27 - 3.2 A	0.31 - 4 A

The Bourns® [Model SRN4018 Series](#) is the existing comparable standard model.

Please visit the Bourns website at www.bourns.com for additional product details. If you have any questions, please contact [Bourns Customer Service/Inside Sales](#).

Features

- Semi-shielded construction
- Inductance range: 1 to 150 µH
- Rated current up to 3.2 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

** 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.

Applications

- Automotive systems:
 - Driver assistant
 - Infotainment
 - Lighting
- DC/DC converters
- Power supplies
- Digital video cameras
- HDDs
- Smartphones
- Televisions, LCD displays