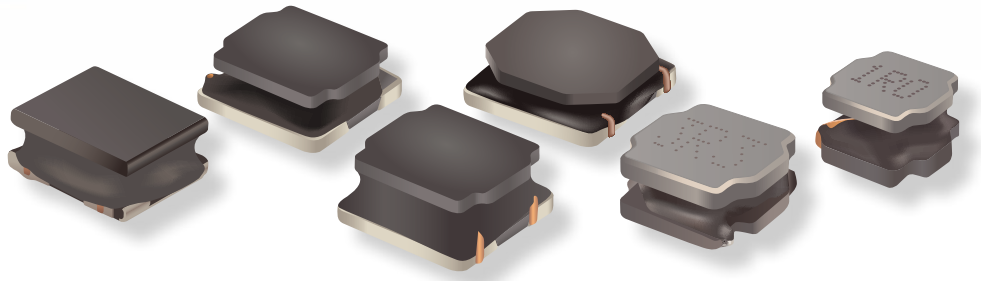
BOURNS®

New Product Release

INDUCTIVE COMPONENTS



Bourns Releases Automotive Grade Semi-Shielded Power Inductor Series

Riverside, California - August 3, 2016 - Bourns Inductive Components Product Line is introducing six series of Semi-Shielded Power Inductors that are primarily designed for automotive electronics applications. They include the SRN2010TA, SRN3012TA, SRN3015TA, SRN4012TA, SRN6045TA and SRN8040TA Series. These inductor series provide effective magnetic shielding with lower radiation compared to non-shielded inductors and offer reduced cost to comparably-sized conventional ferrite shield inductors. Operating temperature ranges from -40 to +125 °C.

These series are 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 these inductor series are primarily designed for automotive electronics applications, they are also well-suited for consumer, industrial, medical, telecom and other applications where higher inductor reliability is required.

Product Features:

New Model	Product Size	Inductance Range	Heating Current Range	Saturation Current Range
SRN2010TA	2 x 1.6 x 1 mm	0.47 - 22 µH	0.27 - 2.35 A	0.38 - 2.7 A
SRN3012TA	3 x 3 x 1.2 mm	1 - 22 µH	0.61 - 2 A	0.49 - 2.15 A
SRN3015TA	3 x 3 x 1.5 mm	1 - 47 µH	0.4 - 2.2 A	0.35 - 2.2 A
SRN4012TA	4 x 4 x 1.2 mm	0.47 - 22 µH	0.62 - 3.2 A	0.5 - 4 A
SRN6045TA	6 x 6 x 4.2 mm	1 -220 µH	0.6 - 8 A	0.88 - 13.5 A
SRN8040TA	8 x 8 x 3.7 mm	0.5 - 330 µH	0.7 - 12 A	0.75 - 17 A

The new AEC-Q200 qualified devices are comparable to the existing standard series.

Automotive Grade AEC-Q200 Qualified Series	Existing Standard Series
SRN2010TA	SRN2010
SRN3012TA	N/A
SRN3015TA	SRN3015
SRN4012TA	SRN4012T
SRN6045TA	SRN6045
SRN8040TA	SRN8040

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.