

Featured Products Bulletin

INDUCTIVE COMPONENTS



Bourns Releases SMD High Current Shielded Power Inductor Series for Automotive Applications

Riverside, California - June 13, 2014 - Bourns is pleased to announce the introduction of five SMD Power Inductor Series designed for automotive applications. The models include the SRP1038A, SRP1238A, SRP1245A, SRP1265A and SRP7028A power inductors. These series are manufactured with a carbonyl powder core featuring high saturation current and shielded construction for low magnetic radiation. Available inductances are 0.1 – 47 μ H. Inductor footprints range from 7.3 x 6.6 to 13.5 x 12.5 mm; heights range from 2.8 to 6.2 mm; Irms up to 55 A and Isat up to 118 A.

Typical automotive applications for these inductors include driver assistant devices, information/entertainment systems and lighting. These devices are AEC-Q200 qualified and the electrical characteristics and dimensions are functionally equivalent to the existing standard series.

New Automotive Application AEC-Q200 Qualified Series	Existing Standard Series
SRP1038A	SRP1040
SRP1238A	SRP1235
SRP1245A	SRP1250
SRP1265A	SRP1270
SRP7028A	SRP7030

Please visit Bourns' website at www.bourns.com for additional product details. Samples are available upon request. Should you have any questions, please contact [Customer Service/Inside Sales](#).

Features

- Shielded construction
- Carbonyl powder core
- High saturation current
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

Applications

- Automotive systems:
 - Driver assistant
 - Information
 - Entertainment
 - Lighting
- DC/DC converters
- Power supplies

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

** Bourns follows the prevailing definition of "halogen free" in the industry. 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.