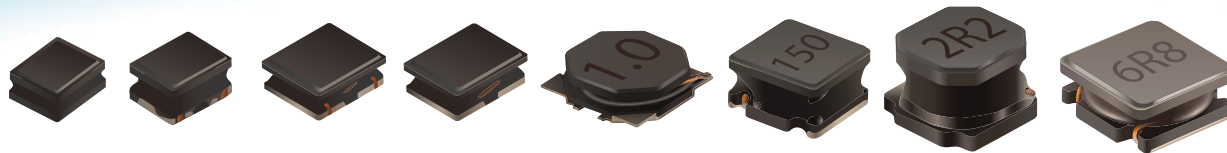


Featured Products Bulletin

INDUCTIVE COMPONENTS



Bourns Releases New Semi-Shielded Power Inductor Series

Riverside, California - May 22, 2014 - Bourns introduces eight new semi-shielded power inductor series - Model [SRN2010](#), [SRN2012](#), [SRN2510](#), [SRN2512](#), [SRN4012](#), [SRN4026](#), [SRN5040](#) and [SRN6028](#), designed using semi-magnetic shielding technology. Instead of the conventional ferrite shield, the magnetic shield of the SRN series utilizes an epoxy-ferrite powder mixture resin. This compound is applied to the perimeter of the inductor which envelops the winding. As a result, the SRN model series inductors provide an effective magnetic shielding while emitting lower radiation compared to non-shielded inductors. In addition, the models offer a reduced footprint and cost savings to comparably-sized conventional ferrite shield inductors.

The semi-shielded SRN model series combines the features of non-shielded and shielded inductors, making them ideal for use in DC/DC converters which provide power management to mobile electronic devices, computers, data storage devices and consumer electronics. The SRN series is also well-suited for industrial applications such as LED lighting, control circuits and GPS.

Product Highlights:

Model	Footprint (mm)	Height (mm)	Inductance Range (μH)	Heating Current Range (A)	Saturation Current Range (A)
SRN2010	2.0 x 1.6	1.0	0.24 – 2.2	1.7 – 4.4	2 – 5.1
SRN2012	2.0 x 1.6	1.2	0.24 – 2.2	1.3 – 3.5	1.6 – 4.8
SRN2510	2.5 x 2.0	1.0	0.24 – 2.2	1.5 – 3.1	1.9 – 4.3
SRN2512	2.5 x 2.0	1.2	0.24 – 2.2	2.3 – 4.7	2.7 – 8
SRN4012	4.0 x 4.0	1.2	0.47 – 22	0.62 – 3.2	0.5 – 4
SRN4026	4.0 x 4.0	2.5	1 – 220	0.2 – 3	0.2 – 3
SRN5040	5.0 x 5.0	4.0	1.5 – 47	0.9 – 3.6	1.1 – 6
SRN6028	6.0 x 6.0	2.8	0.9 – 100	0.66 – 4.6	0.65 – 6.7

Please visit Bourns' website at www.bourns.com for additional product details. Samples are available upon request.

Features

- Semi-shielded construction
- High inductance
- Inductance range: 0.24 to 220 μH
- High rated current - Irms up to 4.7 A, Isat up to 8 A
- RoHS compliant* and halogen free**

Applications

- DC/DC converters
- Notebook computers
- Data storage devices
- Digital video cameras
- Televisions, LCD displays
- LED lighting

*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.