

## Featured Products Bulletin

### INDUCTIVE COMPONENTS



## Bourns Releases New Semi-Shielded Power Inductor Models SRN3015, SRN6045 and SRN8040

Riverside, California - September 9, 2011 - Bourns® Inductive Components Product Line introduces three new models 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 completely envelops the winding. As a result, the SRN Model Series inductors provide effective magnetic shielding while emitting lower radiation compared to non-shielded inductors. In addition, the models offer moderate cost savings to comparably-sized conventional ferrite shield inductors.

The Semi-Shielded SRN Model Series inductors combine 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 and consumer electronics. The SRN Series is also well-suited for industrial applications such as LED lighting, control circuits and GPS.

Model	Footprint	Inductance Range with Current	Saturation Current
<a href="#">SRN3015</a>	3 x 3 mm	1.0 – 100 µH up to 2.3 A	Up to 2.3 A
<a href="#">SRN6045</a>	6 x 6 mm	1.0 – 100 µH up to 4.2 A	Up to 8.5 A
<a href="#">SRN8040</a>	8 x 8 mm	0.5 – 100 µH up to 10 A	Up to 12 A

Minimum order quantities are 2000 pcs./reel for the SRN3015, 1000 pcs./reel for the SRN6045 and 1200 pcs./reel for the SRN8040 through Bourns authorized distributors. Samples are available upon request.

Please visit Bourns at [www.bourns.com](http://www.bourns.com) for additional product details.

#### Features

- Semi-shielded construction
- Miniature size
- Component height:  
1.5 mm (SRN3015)  
4.5 mm (SRN6045)  
4 mm (SRN8040)
- RoHS compliant\* and halogen free\*\*

#### Applications

- DC/DC converters
- Notebook computers
- Digital video cameras
- HDDs
- Cell phones
- Televisions, LCD displays

\* RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

\*\* 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.