



Bourns Releases New Semi-shielded Power Inductors

Model SRN3010C and SRN6028C Series

Riverside, California – April 27, 2023 – Bourns Magnetics Product Line is introducing the new Model [SRN3010C](#) and [SRN6028C](#) Series Semi-shielded Power Inductors. Constructed with a magnetic-silica coating on the perimeter of the inductor winding to provide effective shielding, these inductors release lower magnetic field radiation compared to non-shielded inductors.

The Model SRN3010C and SRN6028C Series have an operating temperature range from -40 to +125 °C that is well suited for DC-DC converters and power supplies in consumer, industrial and telecom applications.

Characteristics:

Model Series	Size (mm)	Inductance (μH)	Heating Current I_{rms} (A)	Saturation Current I_{sat} (A)	Operating Temperature (°C)
SRN3010C	3.0x3.0x0.9	1.0 - 47	0.45 - 3.4	0.36 – 2.4	-40 to +125
SRN6028C	6.0x6.0x2.6	0.9 - 120	0.68 - 7.8	0.72 - 8	-40 to +125

The Model SRN3010C and SRN6028C Series are possible alternatives to the Model SRN3010 and SRN6028 Semi-shielded Inductor Series. Note the form, fit and function of the alternate inductors are not identical to the Model SRN3010 and SRN6028 inductors. However, the specifications of the Model SRN3010C and SRN6028C are likely to be substitutable for typical applications of the Model SRN3010 and SRN6028 Series. As with any alternative replacements, we highly recommend that customers test the possible alternative in their specific applications for verification of satisfactory performance.

Samples of the Model SRN3010C and SRN6028C Series are available upon request.

IC23010

Features

- Semi-shielded construction
- Inductance range:
 - 1 to 47 μ H (SRN3010C)
 - 0.9 to 120 μ H (SRN6028C)
- Rated current up to:
 - 3.4 A (SRN3010C)
 - 7.8 A (SRN6028C)
- RoHS compliant* and halogen free**

Applications

- DC-DC converters
- Power supplies in consumer, industrial and telecom electronics

Please visit the Bourns website at www.bourns.com for additional product details and contact Bourns Customer Service if you have any questions.

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** 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.