



Bourns Introduces New Semi-shielded Power Inductors

Model SRN2012T Series

Riverside, California – November 1, 2021 – Bourns Magnetics Product Line is introducing the [Model SRN2012T Series Semi-shielded Power Inductors](#). Constructed with a magnetic-epoxy coating to the perimeter of the inductor winding to provide enhanced shielding, these inductors release a lower level of magnetic field radiation compared to non-shielded inductors and offer high inductance, high Q, high self-resonant frequency and low DCR in a compact size. The inductor operating temperature range is -40 to +125 °C. These inductors are ideal for use in RF signal processing, resonant circuits, decoupling and noise filters and low current DC power lines as well as for audio headsets, cable modems, set-top boxes, hard disk drives, tablets and various mobile electronic devices.

Series	Size (mm)	Inductance (µH)	Q Value	Self-Resonant Frequency (MHz)	Rated Current (mA)	Saturated Current (mA)
SRN2012T	2 x 1.2 x 1.2	1 - 22	13 - 15	20 - 208	340 - 1300	240 - 1100

Please visit the [Bourns website](#) for additional information and contact [Bourns Customer Service](#) if you have any questions.

Features

- Semi-shielded construction
- Miniature size
- High Q value
- High self-resonant frequency
- Low DCR
- RoHS compliant* and halogen free**

Applications

- RF signal processing
- Resonant circuits
- Decoupling and noise filters for audio headsets
- Cable modems
- Set-top boxes
- Hard disk drives
- Tablets
- Various mobile electronic devices

* 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.