



Bourns Releases AEC-Q200 Compliant High Current Common Mode Chokes

Model SRF1206A and SRF9045A Series

Riverside, California – December 9, 2020 – Bourns Magnetics Product Line is introducing the AEC-Q200 Compliant Model [SRF1206A](#) and [SRF9045A](#) High Current Common Mode Choke Series. These chokes offer compact size and high impedance over a broad frequency range to suppress Electromagnetic Interference (EMI) either coming into or leaving the system.

The windings of both the Model SRF1206A and SRF9045A series common mode chokes have a sector-wound configuration. In addition to the normal common mode impedance that the design is intended to achieve, this construction also features increased differential mode impedance at high frequency range. The SRF1206A and SRF9045A series provide not only common mode filtering but also differential mode filtering in a single choke configuration. The operating temperature ranges from -40 to +125 °C.

These high current common mode chokes are ideal for use in DC/DC converters, switch-mode power supplies and power line noise suppression in consumer, industrial and other electronics.

Product Characteristics:

Model	Product Size	Inductance	Typical CM Impedance	Current
SRF9045A	9 x 7 x 4.5 mm	7.5 μ H	700 Ω @ 100 MHz	5 A
SRF1206A	12 x 11 x 6 mm	9 & 12.5 μ H	700 & 1000 Ω @ 100 MHz	6 & 8 A

For additional details on Bourns® AEC-Q Compliant Products, visit the Bourns website at www.bourns.com/products/aec-q-compliant-products.

If you have any questions or need additional information, please feel free to contact [Customer Service/Inside Sales](#).

Features

- Shielded construction – low radiation
- Separated winding
- High current
- Compact size
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Applications

- Noise filters – power line
- EMI suppression – power line

* 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.