



Bourns® AEC-Q200 Compliant Model SRF1206A and SRF9045A Series High Current Common Mode Chokes are Now Approved as Automotive Grade Standard Components

Riverside, California – June 16, 2023 – The AEC-Q200 compliant [Model SRF1206A](#) and [SRF9045A](#) Series High Current Common Mode Chokes are now approved as automotive grade standard components. 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.

Both series of common mode chokes use separate sector-wound winding configurations, and feature U-shaped terminals clamped to the core for superior strength to handle various mechanical stresses. These series also feature a protective plastic shield that protects the component's surface and wires, and enables Hi-Pot capability of 500 VAC @ 3 mA, 1 second. In addition to the normal common mode impedance that these components are designed to achieve, this construction also features increased differential mode impedance at a high frequency range.

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

Product Characteristics:

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

Features

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

Applications

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

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

* 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.