



## 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.