



Bourns Releases 1210-Size Automotive Grade Common Mode Chip Inductors

Model SRF3225AB and SRF3225TAC Series

Riverside, California – TO BE RELEASED MARCH 4, 2021 – Bourns Magnetics Product Line is introducing the Model SRF3225AB and SRF3225TAC 1210-Size Automotive Grade Common Mode Chip Inductor Series. These automotive grade common mode inductors are constructed with a ferrite core and are bifilar-wound delivering a compact size, shielded construction for low radiation and high impedance over a broad frequency range to suppress Electromagnetic Interference (EMI) coming into or leaving the system. The 0.2/0.3 mm height side-wall terminal at each end of the inductor core helps enhance the component's mechanical strength after it is assembled on the board.

The Model SRF3225AB and SRF3225TAC series are AEC-Q200 compliant for high reliability and durability applications. The Model SRF3225AB was designed for noise suppression in 2-wire UTP (unshielded twisted pair) cable automotive audio bus systems. The SRF3225TAC series is focused on common mode noise suppression for classic CAN and higher data rate CAN-FD Class II applications.

Series	Size (mm)	Inductance	Impedance @ 10 MHz	Rated Current	Operating Temperature
SRF3225AB-101Y	3.2 x 2.5 x 2.5	100 μ H	5500 Ω Typ.	0.1 A	-40 to +125 $^{\circ}$ C
SRF3225TAC	3.2 x 2.5 x 2.5	11 – 100 μ H	550 – 5100 Ω Typ.	0.15 – 0.3 A	-55 to +150 $^{\circ}$ C

- Model SRF3225AB-101Y is designed to meet the requirements of 2-wire UTP cable automotive audio bus system applications
- Model SRF3225TAC-101Y is designed to meet IEC 62228-3 CAN-FD Class II

Customers who are seeking high reliability and durability common mode chip inductors may also consider these two series for design-in and testing in consumer, industrial and other electronics applications.

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Features

- Bifilar-wound
- Shielded construction for low radiation
- High impedance, wide EMI suppression frequency range
- AEC-Q200 compliant
- Meets IEC 62228-3 standard (Model SRF3225TAC-101Y)
- RoHS compliant* and Halogen free**



Applications

- Noise filters
- EMI suppression for data and signal lines
- 2-wire UTP cable automotive audio bus systems
- CAN and CAN-FD Class II
- 100Base-T1 Ethernet

Please visit the Bourns website at www.bourns.com/products/magnetic-products/common-mode-chip-inductors-aec-q200-compliant for additional information and contact Bourns Customer Service/Inside Sales 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.