



Bourns Releases New AEC-Q200 Compliant, Automotive Grade BMS Signal Transformer

Model SM91536AL

Riverside, California – **September 27, 2023** – Bourns Magnetics Product Line is pleased to introduce the [Model SM91536AL](#) AEC-Q200 Compliant, Automotive Grade BMS (Battery Management System) Signal Transformer. This single channel, reinforced insulation transformer includes common mode chokes for noise rejection for BMS applications.

The Model SM91536AL is developed for use with the NXP Model 33771C and Analog Device’s Model AD1818 and LTC6804/681X. This BMS signal transformer offers a working voltage of up to 1000 VDC and Hi-Pot isolation voltage up to 3000 VAC with an extended operating temperature range of -40 to +125 °C.

Model	OCL (μH)	Size (mm)	Working Voltage (VDC)	Creepage Distance (mm)	Clearance Distance (mm)
SM91536AL	150 ~450	16.4 x 10.4 x 8.7	1000	Min. 10	Min. 10

For additional details on Bourns® transformers, visit the Bourns website at www.bourns.com/products/magnetic-products/transformers-bms-aecq200. Should you have any questions, please contact [Bourns Customer Service/Inside Sales](#).

Features

- Reinforced insulation per GB/T 16935.1
- AEC-Q200 compliant
- 1000 VDC working voltage and Hi-Pot voltage up to 3000 VAC
- Creepage distance 10 mm min., clearance distance 10 mm min.
- Overvoltage category II, up to 5000 m above sea level
- Supports serial daisy chain / IsoSPI communication
- Developed for use with the NXP Model 33771C and Analog Device’s Model AD1818 and LTC6804/681X
- Design construction per GB/T 16935.1, IEC 60664-1 and IEC 62368-1
- RoHS compliant*
- **AUTOMOTIVE GRADE**

Applications

- Battery Management Systems
- Energy Storage Systems

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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