



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

Model SM91523AL

Riverside, California - June 16, 2025 – Bourns Magnetics Product Line is pleased to introduce the [Model SM91523AL](#) AEC-Q200 Compliant, Automotive Grade BMS Signal Transformer. This single channel, reinforced insulation transformer includes common mode chokes for noise rejection for BMS applications.


The Model SM91523AL is developed for use with the NXP Semiconductors' NXP33771 series and Analog Devices' Model AD1818 & LTC6804/681X series. This BMS transformer offers a working voltage of up to 1000 Vdc and Hi-Pot isolation voltage up to 3500 Vac with an extended operating temperature range of -40 to +125 °C.

Characteristics:

Model	L (μ H)	Size (mm)	Working Voltage	Creepage Distance (mm)	Clearance Distance (mm)
SM91523AL	150 ~ 450	19.0 x 19.6 x 10.0	Up to 1000 Vdc	Min. 11.5	Min. 10.5

For additional details on Bourns[®] transformers, visit the Bourns website at <https://bourns.com/products/magnetic-products/transformers-signal>. Should you have any questions, contact [Bourns Customer Service/Inside Sales](#).

Features

- Reinforced insulation per IEC 62368-1
- 1000 Vdc working voltage and Hi-Pot voltage up to 3500 Vac
- Creepage distance >11.5 mm, clearance distance >10.5 mm
- Impulse Voltage: 10 kV, 1.2/50 μ s
- Supports serial daisy chain / IsoSPI communication
- Overvoltage Category II, pollution degree 2, material group 1
- AEC-Q200 compliant
- RoHS compliant*
-  **AUTOMOTIVE GRADE**

Applications

- Battery Management Systems (BMS)
- Energy Storage Systems

Additional Information



DATA
SHEET



PRODUCT
SELECTOR



TECHNICAL
LIBRARY



INVENTORY



SAMPLES



CONTACT

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

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