

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


Model SM91525AL

Riverside, California – April 10, 2023 – Bourns Magnetics Product Line is pleased to introduce the [Model SM91525AL](#) AEC-Q200 compliant, automotive grade Battery Management System (BMS) Signal Transformer. This single channel functional insulation transformer includes common mode chokes for noise rejection in BMS applications.

The Model SM91525AL was developed for use with the Texas Instruments BQ79616 Series. The full automation of each of the critical manufacturing processes for this model, including pin winding and laser stripping, results in a superior quality product. This BMS transformer offers a working voltage of up to 1000 VDC and Hi-Pot isolation voltage up to 4300 VDC with an extended operating temperature range of -40 to +125 °C.

For additional details on Bourns[®] AEC-Q200 compliant transformers, visit the Bourns website at www.bourns.com/products/magnetic-products/transformers-bms-aecq200. Should you have any questions, contact [Bourns Customer Service/Inside Sales](#).

Features

- Superior quality from full automation of critical manufacturing processes
- Up to 1000 VDC working voltage and Hi-Pot up to 4300 VDC
- Supports serial daisy chain / IsoSPI communication
- Developed for use with Texas Instruments BQ79616 Series
- Expanded temperature range: -40 to +125 °C
- AEC-Q200 compliant
- RoHS compliant*
-  AUTOMOTIVE GRADE

Applications

- Battery Management Systems (BMS)
- Energy Storage Systems (ESS)

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