



Bourns Releases New AEC-Q200 Compliant BMS Signal Transformer



Model SM91501ALO

Riverside, California – September 3, 2021 – Bourns Magnetics Product Line is introducing an additional BMS Signal Transformer, [Model SM91501ALO](#). This Dual-Channel Isolation Transformer module includes common mode chokes for noise rejection in BMS applications. The Model SM91501ALO was developed for use with Analog Device’s LTC6804-1/681X, NXP’s MC33771/ 33772 and Texas Instruments’ BQ79616 and is UL recognized and AEC-Q200 compliant.

This BMS transformer offers a 1600 VDC working voltage and a 4300 VDC Hi-PoT isolation voltage with an extended operating temperature range of -40 to +125 °C.

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

Features

- 1600 VDC working voltage and 4300 VDC Hi-Pot isolation voltage
- Supports serial daisy chain/IsoSPI communication
-  UL recognized per UL 62368-1, File No. [E515965](#)
- Withstanding impulse voltage up to 8 kV, 1.2/50 μ s
- Expanded temperature range: -40 to +125 °C
- RoHS compliant* and halogen free**
- AEC-Q200 compliant
-  **AUTOMOTIVE GRADE**

Applications

- Battery Management Systems
- Energy Storage Systems

* 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.