BOURNS®

# NEW PRODUCT RELEASE

MAGNETICS




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

## *Model SM91595AL*

*Riverside, California - September 23, 2026* – The Bourns® Model SM91595AL is an AEC-Q200 compliant, automotive grade signal transformer for battery management system (BMS) and energy storage system applications. This single-channel, reinforced insulation transformer includes common mode chokes for noise rejection. The model offers a working voltage up to 1,500 VDC, Hi-Pot isolation voltage up to 6,400 VDC, and an operating temperature range of -40 to +125 °C. The Model SM91595AL is developed for use with NXP 33771C series, and Analog Devices AD1818 and LTC6804/681X series devices.

| Model | Size (mm) | Inductance (µH) | Working Voltage (VDC) | Hi-Pot (VDC) | Operating Temperature (°C) |
|---|---|---|---|---|---|
| SM91595AL | 31.5 x 12.5 x 9.5 | 150 - 450 | 1,500 | 6,400 | -40 to +125 |

### Features

- Hi-Pot: 6400 VDC
- Working voltage up to 1500 VDC
- Developed for use with NXP's model 33771C series and Analog Device's model AD1818 and LTC6804/681X series devices
- EN recognized: EN 6254558 per EN 62477-1
- Reinforced insulation IEC 62477-1:2022 & IEC 62368-1:2018
- Creepage distance >23.0 mm, pollution degree 2, material group CTI I
- Clearance distance >23.0 mm, Overvoltage Category II, up to 5000 m above sea level
- AEC-Q200 and RoHS compliant*
- AUTOMOTIVE GRADE

### Applications

- Battery management systems (BMS) in hybrid and electric powertrain systems
- Energy storage battery packs with battery management systems

For additional details, please visit www.bourns.com or contact Bourns Customer Service/Inside Sales if you have any questions.

### Additional Information

DATA SHEET | PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

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

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