BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



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

Model SM91534ALA

Riverside, California - August 25, 2026 – The Bourns® Model SM91534ALA is a battery management system (BMS) signal transformer designed for high-voltage isolation and noise rejection in automotive and energy applications. This single-channel transformer integrates reinforced insulation and common mode choke functionality to support reliable signal transmission in BMS architectures. This model is optimized for automated assembly and offers a cost-effective solution compared to manual versions while delivering improved quality.

Model	Size (mm)	Inductance (µH)	Working Voltage (VDC)	Hi-Pot (VDC)	Operating Temperature (°C)
SM91534ALA	31.5 x 12.5 x 9.5	150 - 450	1,500	6,400	-40 to +125

Features

- Hi-Pot: 6,400 VDC
- Working voltage up to 1,500 VDC
- Auto pin termination
- UL recognized: E515965 per UL62368-1
- Reinforced insulation IEC62477-1:2022 & IEC62368-1:2018
- Creepage distance >16.6 mm, Pollution Degree 2, Material Group CTI I
- Clearance distance >16.6 mm, Overvoltage Category II, up to 5000 m above sea level
- Impulse voltage: 12 kV, 1.2/50 µs
- 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

Please visit the Bourns website at www.bourns.com for additional product details and 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.*

IC26118

Americas: Tel +1-951 781-5500 americus@bourns.com

EMEA: Tel +36 88 885 877 eurocus@bourns.com

Asia-Pacific: Tel +886-2 256 241 17 asiacus@bourns.com

Mexico: Tel +52 614 478 0400 mexicus@bourns.com