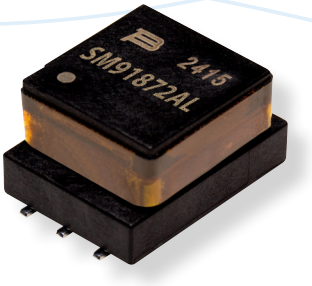
BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



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

Next-Generation Model SM91872AL

Riverside, California – August 28, 2024 – Bourns Magnetics Product Line is pleased to introduce the Model SM91872AL AEC-Q200 Compliant, Automotive Grade BMS Signal Transformer for next-generation BMS (Battery Management Systems) applications. This single-channel reinforced insulation transformer is constructed with an overmolding process and is new to market for BMS signal applications.

The Model SM91872AL is manufactured with a fully automated process for high quality and cost-effectiveness. This BMS transformer offers a working voltage of up to 1000 V and a Hi-PoT isolation voltage up to 4000 VAC with an extended operating temperature range of -40 to +125 °C.

Model	L (µH)	Size (mm)	Working Voltage (V)	Creepage Distance (mm)	Clearance Distance (mm)
SM91872AL	50~450	17.4 x 10.6 x 8.10	1000	Min. 10.0	Min. 10.0

For additional product details, visit the Bourns website at www.bourns.com/products/magnetic-products/transformers-signal. For more information on Bourns® Magnetics, check out our additional available resources in the Bourns® Magnetics Technical Library. Should you have any questions, please contact Bourns Customer Service/Inside Sales.

Features

- Fully automated manufacturing with overmolding process
- Reinforced isolation, high reliability and compact size
- Working voltage: up to 1000 VDC
- Hi-Pot: 4000 VAC, 1 mA, 60 s
- Design construction: Reinforced insulation between primary and secondary per IEC 60664-1 & IEC 62368-1
- Clearance distance >10.0 mm, Pollution degree 2, Material group CTI I
- Creepage distance >10.0 mm, Overvoltage Category II
- Expanded temperature range: -40 to +125 °C
- RoHS compliant*
- AEC-Q200 compliant
- AUTOMOTIVE GRADE

Applications

- Battery Management Systems
- Energy Storage Systems

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

IC24071

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