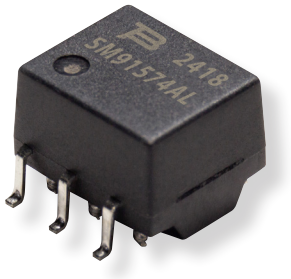
BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



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

Model SM91574AL

Riverside, California – April 25, 2025 – Bourns Magnetics Product Line is pleased to introduce the AEC-Q200 Compliant, Automotive Grade Model SM91574AL BMS Signal Transformer. This single channel functional insulation transformer includes common mode chokes for noise rejection in BMS applications.

The Model SM91574AL was developed for use with TI's BQ79718. This BMS transformer offers a working voltage of 1000 VDC and Hi-PoT isolation voltage up to 3000 VAC with an extended operating temperature range of -40 to +125 °C.

Model	L (µH)	Size (mm)	Working Voltage (VDC)	Hi-Pot Voltage (VAC)
SM91574AL	300 Min.	9.19 x 8.12 x 5.95	1000	3000

For additional details on Bourns® transformers, visit the Bourns website at bourns.com/products/magnetic-products/transformers-bms-aecq200. Should you have any questions, contact Bourns Customer Service/ Inside Sales.

Features

- Pin auto-termination
- Up to 1000 VDC working voltage and Hi-Pot up to 3000 VAC
- Supports serial daisy chain / IsoSPI communication
- Developed for use with TI's BQ79718
- Expanded temperature range: -40 to +125 °C
- RoHS compliant* and halogen free**
- AEC-Q200 compliant
- AUTOMOTIVE GRADE

Applications

- Battery Management Systems
- Energy Storage Systems

Additional Information

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

* *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.*

IC25048

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