BOURNS®

NEW PRODUCT RELEASE

TRANSFORMER

Bourns Releases New BMS (Battery Management System) Signal Transformers

Models SM91519L and SM91527L

Riverside, California – July 16, 2021 – Bourns Magnetics Product Line is pleased to introduce the Model SM91519L and SM91527L BMS Signal Transformers. These single channel, reinforced insulation transformers include common mode chokes for noise rejection in BMS applications.

These models work well with the NXP Model MC33771C series and Analog Device's Model LTC6804/681X series. These BMS signal transformers offer a working voltage of up to 1500 Vdc and a Hi-PoT isolation voltage of up to 6400 Vdc (SM91519L) and 7640 Vdc (SM91527L) with an extended operating temperature range of -40 to +125 °C.

The solid design of the SM91527L transformer can help customers pass the partial discharge test per IEC 60664 up to 2250 V and the impulse voltage test up to 12 kV (1.2 / 50 µS).

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

Features

- Reinforced insulation per IEC 62477-1, IEC 60664-1 and IEC 62368-1
- UL recognized - file number E515965 per UL62368-1
- Up to 1500 Vdc working voltage and Hi-Pot up to 6400 Vdc (SM91519L) and 7640 Vdc (SM91527L)
- Creepage distance: 15 mm minimum; clearance distance: 14 mm minimum
- Supports serial daisy chain / IsoSPI communication
- Developed for use with the NXP Model MC33771C series and Analog Device's Model LTC6804/681X series
- RoHS compliant*

Applications

- Battery management systems
- Energy storage systems

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

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