



NEW PRODUCT RELEASE

MAGNETICS



Bourns Releases New AEC-Q200 Compliant, Automotive Grade High Creepage and Clearance Reinforced EP10 Transformer

Model SM91259AL

Riverside, California - August 29, 2025 – Bourns Magnetics Product Line is pleased to introduce the [Model SM91259AL](#) high creepage and clearance reinforced EP10 transformer. This EP10 transformer is DFM (Design For Manufacturing) in a compact size for reinforced insulation. It is ideal for push pull or flyback applications with high creepage and high clearance distance.


The Model SM91259AL is AEC-Q200 compliant and automotive grade, manufactured following VDA 6.3 standards. This EP10 transformer offers a working voltage of up to 1000 V and Hi-Pot isolation voltage up to 4000 VAC with an extended operating temperature range of -40 °C to +125 °C. This model provides a minimum clearance and creepage distance of 10 mm of reinforced insulation.

For additional details on Bourns® transformers, visit the Bourns website at <https://bourns.com/products/magnetic-products/transformers-power-aec-q200-compliant>. Should you have any questions, contact [Bourns Customer Service/Inside Sales](#).

Characteristics:

Series	L (μ H)	Size (mm)	Working Voltage (Vrms)	Creepage Distance (mm)	Clearance Distance (mm)
SM91259AL	27.5 \pm 10 %	14.5 x 12 x 14	1000	Min. 10.0	Min. 10.0

Features

- Working voltage up to 1000 Vrms
- Hi-Pot: 4000 VAC, 5 mA, 10 s
- Reinforced insulation per IEC 61558-1, UL 62368-1
- Clearance distance >10 mm, up to 2 km altitude
- Creepage distance >10 mm
- Overvoltage category II, pollution degree 2
- AEC-Q200 compliant
- RoHS compliant*
-  **AUTOMOTIVE GRADE**

Applications

- AC-DC and DC-DC converters
- Clean energy: micro inverters, string inverters, solar
- Personal mobility: chargers, On-Board Chargers

Additional Information

[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

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

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