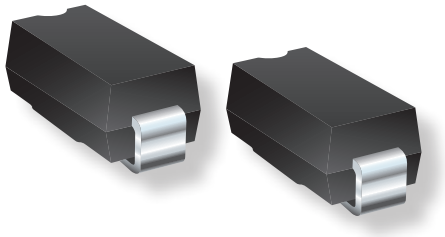
BOURNS®

PRODUCT EXTENSION **RELEASE**

TVS DIODES



Bourns Announces the Expansion of the Model SMCJ-Q and 1.5SMC-Q Series TVS Diodes

Riverside, California – October 15, 2020 – Bourns is pleased to announce the voltage expansion of its AEC-Q101 compliant, automotive grade, SMC package TVS diodes to cater to the power supply equipment, communications and data center markets which challenge the semiconductor industry to provide broader voltages as well as superior quality components. The Model SMCJ-Q and 1.5SMC-Q TVS diode series are rated at 1500 watts and are well suited for DC power port protection due to their surge withstanding capability.

Series	Previous Standoff Voltage Range	New Standoff Voltage Range	New Breakdown Voltage Range	Uni/Bidirectional	Power Rating
SMCJ-Q	12.0 ~ 58.0 V	**5.0 ~ 120 V**	**6.7 ~ 140 V**	Yes	1500 W
1.5SMC-Q	12.8 ~ 58.1 V	**5.8 ~ 111 V**	**6.8 ~ 130 V**	Yes	1500 W

The product data sheets with detailed specifications can be viewed on the Bourns website at www.bourns.com. Please visit www.bourns.com/products/diodes/diodes-aec-q101-compliant for more information on AEC-Q101 compliant TVS diodes.

Should you have any questions or need additional information, please contact Bourns Customer Service/Inside Sales.

Features

- Surface mount SMC package
- Power dissipation 1500 W
- RoHS compliant*
- AEC-Q101 compliant**

AUTOMOTIVE GRADE

Applications

- Protection of power buses
- Protection of I/O interface
- Overvoltage transient protection

** RoHS Directive 2015/863, Mar 31, 2015 and Annex.*
***"Q" part number suffix indicates AEC-Q101 compliance.*

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