

# New Product Release

CHIP DIODES



## ADVANCE NOTICE

### Bourns Adds New AEC-Q101 Compliant Discrete TVS Diode Products *Model SM8SF-Q Series*

Riverside, California – TO BE RELEASED FEBRUARY 20, 2019 – Bourns is pleased to announce the release of a new Transient Voltage Suppressor Diode Series - the Model SM8SF-Q. This series is AEC-Q101 compliant and well suited for protecting sensitive electronics against voltage transients generated by inductive load switching and lighting. Bourns® Model SM8SF-Q Series offers a high Peak Pulse Power ( $P_{PK}$  10/1000  $\mu$ s) of 7000 W, assisting designers in meeting ISO7637-2 / ISO16750-2 surge specifications.

This AEC-Q101 compliant product is also well suited for applications requiring high reliability such as power supplies and equipment used in harsh environments.

Bourns® Model SM8SF-Q Series is available in a low-profile package just 1.3 mm high, enabling designers to achieve compact, high power density, power supply designs.

Series	Breakdown Voltage	Unidirectional/Bidirectional	Power Wattage
SM8SF-Q	24 - 36 V	Both	7000 W

Bourns® AEC-Q101 compliant TVS Diodes can be viewed on the Bourns website at [www.bourns.com/products/diodes/diodes-aec-q101-compliant](http://www.bourns.com/products/diodes/diodes-aec-q101-compliant).

Should you have any questions, please contact Bourns Customer Service/Inside Sales.

#### Features

- Maximum Peak Power Dissipation: 7000 watts
- Meets ISO7637-2 / ISO16750-2 surge specification (varies by test condition)
- RoHS compliant\*
- AEC-Q101 compliant\*\*

#### Applications

- High peak power applications (up to rated limits)
- High temperature applications (up to rated limits)
- Clamping diode
- Load switching and lighting

\* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
\*\* "Q" part number suffix indicates AEC-Q101 compliance.

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