BOURNS®

NEW PRODUCT RELEASE

SEMICONDUCTOR PRODUCTS



Bourns Introduces New AEC-Q101 Compliant, Automotive Grade TVS Diode

Model CDSOT23-SM712-Q

Riverside, California – May 30, 2025 – Bourns is pleased to announce the release of the Model CD-SOT23-SM712-Q Surface Mount TVS Diode. This new model provides AEC-Q101 compliancy and automotive grade reliability as an enhancement to the standard Model CDSOT23-SM712. This TVS diode is well suited for voltage transient and ESD protection in data lines and DC power supplies as well as applications that require high reliability such as portable electronics, power supplies and equipment used in certain harsh environments.

Model	Peak Pulse Power Tp = 8/20 µs (W)	Max. Working Voltage (V_{WM})	Configuration
CDSOT23-SM712-Q	400	7, 12 V	Bidirectional

The product data sheet with detailed specifications can be viewed on the Bourns website at bourns.com. Visit bourns.com/products/diodes/diodes-aec-q101-compliant for more information on Bourns® AEC-Q101 Compliant Diodes.

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

Features

- ESD protection 30 kV max.
- Working peak voltage of 7 V or 12 V
- Bidirectional configuration
- RoHS compliant*
- AEC-Q101 compliant**
- **AUTOMOTIVE** *GRADE*

Applications

- Wireless systems
- Network protection
- Portable electronics
- RS-485 port protection
- Automotive motor control

Additional Information

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

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

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