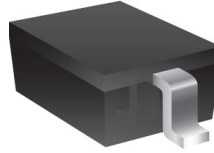




NEW PRODUCT RELEASE

SEMICONDUCTOR PRODUCTS



Bourns Releases Automotive-Grade CDSOD323-TxxC-Q TVS Diode Series

Riverside, California - June 18, 2026 – The Bourns® [CDSOD323-TxxC-Q](#) Transient Voltage Suppressor (TVS) Diode Series delivers bidirectional ESD and surge protection for signal lines in automotive applications. Housed in a compact JEDEC SOD-323 package, each device protects one line or one I/O port with ESD protection up to 30 kV (per IEC 61000-4-2) and a typical capacitance of ~3 pF.

The series is AEC-Q101 compliant and assists in compliance with IEC 61000-4-2 (ESD), IEC 61000-4-4 (EFT), and IEC 61000-4-5 (Surge) requirements.

Part Number	Peak Pulse Power ($t_p = 8/20 \mu s$) (W)	Operating Temperature (°C)	Working Peak Voltage (V_{wm})
CDSOD323-T05C-Q	350	-55 to +150	5.0
CDSOD323-T12C-Q			12.0

For additional details, please visit www.bourns.com or contact [Bourns Customer Service/ Inside Sales](#).

Features

- Protects one line or one I/O port
- Bidirectional configuration
- ESD protection 30 kV max.
- Low capacitance: ~3 pF typical
- Replaces 0805 MLV devices
- RoHS compliant*
- AEC-Q101 compliant**
-  **AUTOMOTIVE**
GRADE

Applications

- Cellular phones
- PDAs and notebooks
- Digital cameras
- MP3 players and GPS
- USB interface
- Automotive

Additional Information

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

ESD2607