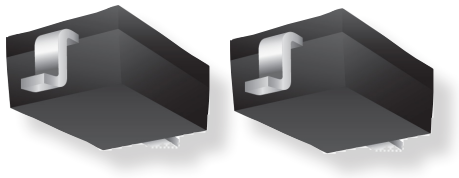
BOURNS®

New Product Release

TVS DIODES



Bourns Introduces New TVS Diode Series for Protecting Automotive High-Speed Communication Lines

Model CDSOD323-TxxC-DSLQ Series

Riverside, California - May 8, 2018 - Bourns is pleased to announce the release of two new AEC-Q101 compliant surge protection models CDSOD323-T12C-DSLQ and CDSOD323-T24C-DSLQ, for protecting high speed interfaces in automotive applications.

The Bourns® Model CDSOD323-TxxC-DSLQ TVS Diodes are available in an SOD323 package with bidirectional TVS for protecting communication lines. The low capacitance of 3 pF and low leakage current of 1 nA are well suited for use on high speed interfaces and sensitive lines.

The Model CDSOD323-TxxC-DSLQ Series is designed to provide ±30 kV contact discharge ESD protection per IEC 61000-4-2 and surge protection per IEC 61000-4-5. The Model CDSOD323-TxxC-DSLQ Series is designed to improve the reliability of automotive and industrial systems and robustness against damage from ESD and other transient voltage events.

The product data sheets with detailed specifications can be viewed on the Bourns website at www.bourns.com.

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

Features

- Low leakage current: 1 nA
- Bidirectional configuration
- ESD protection: 30 kV max.
- Low capacitance: 3 pF typ.
- Replaces 0805 MLV devices
- RoHS compliant* and halogen free**
- Automotive grade AEC-Q101 compliant product***

Applications

- Automotive
- Communication lines
- Portable electronics

* *RoHS Directive 2015/863, Mar 31, 2015 and Annex.*
** *Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.*
*** *"Q" suffix for automotive and other applications requiring AEC-Q101 compliance.*

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