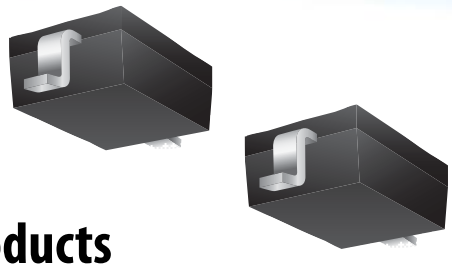
BOURNS®

Featured Products Bulletin

CHIP DIODES



Bourns Adds TVS Diode Products for xDSL Applications

Riverside, California - November 17, 2011 - Bourns is pleased to announce the release of two new TVS Diode series products for Telecom xDSL applications. The CDSOD323-TxxC-DSL Series, in a SOD323 package, offers working peak voltages of 12 V and 24 V with low leakage currents of 1 nA and typical capacitance of 3 pF. The CDSOD323-TxxC-DSL Series meets IEC 61000-4-2 (ESD) and IEC 61000-4-4 (EFT) standards and assists in meeting IEC 61000-4-5 (Surge) requirements.

Device	Symbol	CDSOD323-T12C-DSL Transient Voltage Suppressor Diode	CDSOD323-T24C-DSL Transient Voltage Suppressor Diode
Working Peak Reverse Voltage	V_{RMM}	12 V	24 V
Minimum Breakdown Voltage @ I_T (mA)	V_{BR}	13.3 V	26.7 V
Maximum Leakage Current @ V_{WM}	I_D	1 nA	1 nA
Typical Capacitance @ 0 V 1 MHz	C_T	3 pF	3 pF
RoHS Compliant*		Yes	Yes

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

If you have any questions, please contact our customer service teams in your region.

Features

- Protects one line or one I/O port
- Bidirectional configuration
- ESD protection 30 kV max.
- Low capacitance ~ 3 pF typ.
- Replaces 0805 MLV devices
- RoHS compliant*
- Halogen free**

Applications

- VDSL lines
- Modems
- Routers

* *RoHS Directive 2002/95/EC Jan 27 2003 including Annex and RoHS Recast 2011/65/EU June 8, 2011.*

** *Bourns follows the prevailing definition of "halogen free" in the industry. 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.*