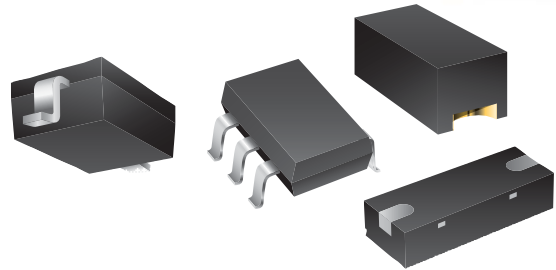




# Featured Products Bulletin

## ESD PROTECTION PRODUCTS



### Bourns Adds New ESD Protection Products for General Applications

Riverside, California - July 13, 2009 - Bourns is pleased to announce the release of new ESD protection products for general applications.

The [CDSOD323-TxxSC](#) series provides a range of 3 V to 24 V TVS diodes in a SOD323 package offering standard capacitance values with Level 4 IEC 61000-4-2 ESD Protection and IEC 61000-4-5 Surge 8/20  $\mu$ S rating on single communication data lines.

The [CD0603-TxxC](#) and [CD1005-TxxC](#) series provide a range of 5 V, 12 V and 24 V TVS diodes in 0603 and 1005 chip packages respectively, offering low capacitance values with Level 4 IEC 61000-4-2 ESD Protection rating on single communication data lines.

The [CDDFN2-T3.3C](#) and [CDDFN2-T5.0C](#) series provide 3.3 V and 5 V TVS diodes in a DFN-2 chip package, offering low capacitance values with Level 4 IEC 61000-4-2 ESD Protection rating on single communication data lines.

The [CDSOT353-T05](#) TVS Diode array in a SOT353 package has a 4 x 5.0 V TVS diode offering three line bidirectional or four line unidirectional ESD, EFT and surge protection on data or signal lines.

The [CDSOT953-T05](#) TVS Diode array in a SOT953 package has a 4 x 5.0 V TVS diode offering three line bidirectional or four line unidirectional ESD, EFT and surge protection on data or signal lines.

The [CDSOT963-T05C](#) TVS Diode array in a SOT963 package has a 5 x 5.0 V TVS diode offering four line bidirectional or five line unidirectional ESD, EFT and surge protection on data or signal lines.

The [CDSOT23-0502U](#) TVS Diode array in a SOT23 package has a 2 x 5.0 V TVS diode offering two line unidirectional ESD, EFT and surge protection on data or signal lines.

The [CDSOT23-0502B](#) TVS Diode array in a SOT23 package has a 2 x 5.0 V TVS diode offering two line bidirectional ESD, EFT and surge protection on data or signal lines.

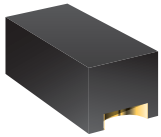


#### **CDS0D323-TxxSC Features**

- Lead free as standard (RoHS compliant\*)
- ESD protection >40 kV
- Surge protection >24 A
- Protects 1 line
- Uni/bidirectional configuration

#### **CDS0D323-TxxSC Applications**

- Computer notebooks
- Cellular phones
- Personal Digital Assistants (PDAs)
- Digital cameras

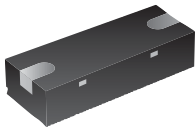


#### **CD0603/CD1005-TxxC Features**

- Lead free as standard (RoHS compliant\*)
- Low capacitance - 15 pF
- ESD protection
- Surge protection

#### **CD0603/CD1005-TxxC Applications**

- Personal Digital Assistants (PDAs)
- Mobile phones & accessories
- Memory card protection
- SIM card port protection
- Portable electronics

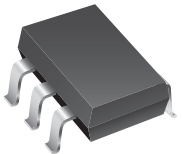


#### **CDDFN2-T3.3C & CDDFN2-T5.0C Features**

- RoHS compliant\*
- Bidirectional TVS 3.3 V & 5 V
- Low capacitance - 15 & 23 pF
- ESD protection >25 kV & >15 kV
- Fits 0402 footprint

#### **CDDFN2-T3.3C & CDDFN2-T5.0C Applications**

- Computers and peripherals
- Communication systems
- Audio & video equipment
- Portable instrumentation

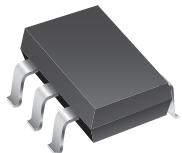


#### **CDSOT353-T05 Features**

- 4 unidirectional ESD protections
- RoHS compliant\*
- Low capacitance
- Surge protection

#### **CDSOT353-T05 Applications**

- High speed data ports
- Mobile phones & accessories
- Video/graphics cards
- Set top boxes
- Communication systems

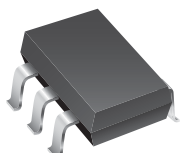


#### **CDSOT953-T05 Features**

- Lead free as standard
- RoHS compliant\*
- Low capacitance - 9 pF
- ESD protection >40 kV

#### **CDSOT953-T05 Applications**

- Personal Digital Assistant (PDAs)
- Mobile phones and accessories
- Portable electronics
- ADSL / VDSL cards



#### **CDSOT963-T05C Features**

- Low leakage current
- RoHS compliant\*
- Low capacitance ~ 9 pF
- ESD protection >40 kV

#### **CDSOT963-T05C Applications**

- Computer notebooks
- Cellular phones
- Personal Digital Assistants (PDAs)
- Digital cameras



#### **CDSOT23-0502U Features**

- Lead free as standard (RoHS compliant\*)
- Low clamping voltage
- Bidirectional ESD protection
- Protects 2 lines

#### **CDSOT23-0502U Applications**

- Personal Digital Assistants (PDAs)
- Mobile phones & accessories
- Portable electronics
- Power lines and low speed data lines



#### **CDSOT23-0502B Features**

- Lead free as standard (RoHS compliant\*)
- Low clamping voltage
- Bidirectional ESD protection
- Protects 2 lines

#### **CDSOT23-0502B Applications**

- Computer interface protection
- Microprocessor protection
- Power lines on PCB protection
- Control signal lines protection
- Latchup protection