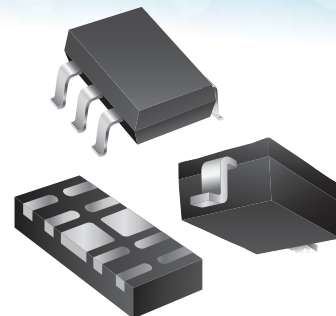




# Featured Products Bulletin

## ESD PROTECTION PRODUCTS



### Bourns Adds New ESD Protection Products for HDMI, DVI and USB Ports

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

The [CDSC706-0504C](#) TVS/Steering Diode array in an SC70-6 package combines a 5 V TVS diode with steering diodes, offering a low 1.6 pF capacitance with Level 4 IEC 61000-4-2 ESD Protection & 5 A IEC 61000-4-5 Surge 8/20  $\mu$ S Protection rating on four high speed communication data lines in USB and DVI applications.

The [CDSOT236-0504C](#) TVS/Steering Diode array in a SOT23-6 package combines a 5 V TVS diode with steering diodes, offering a low 1.2 pF capacitance with Level 4 IEC 61000-4-2 ESD Protection & 5A IEC 61000-4-5 Surge 8/20  $\mu$ S Protection rating on four high speed communication data lines in USB and DVI applications.

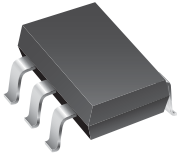
The [CDSOT236-0504LC](#) TVS/Steering Diode array in a SOT23-6 package combines a 5 V TVS diode with steering diodes, offering a ultra low 0.65 pF capacitance with Level 4 IEC 61000-4-2 ESD Protection rating on four high speed communication data lines in HDMI, USB and DVI applications.

The [CDDFN10-0524P](#) TVS/Steering Diode array in a DFN-10 package combines a 5 V TVS diode with steering diodes, offering a ultra low 0.65 pF capacitance with Level 4 IEC 61000-4-2 ESD Protection rating on four high speed communication data lines in HDMI, USB and DVI applications.

The [CDSOT563-0502](#) & [CDSOT236-0502](#) TVS/Steering Diode arrays in a SOT563 and SOT23-6 package respectively, combine a 5 V TVS diode with steering diodes, offering a low 2.5 pF capacitance with Level 4 IEC 61000-4-2 ESD Protection rating on two high speed communication data lines in USB applications.

The [CDSOD323-TxxLC](#) series provide a range of 3 V to 24 V TVS diodes in a SOD323 package offering an ultra-low 0.6 pF capacitance with Level 4 IEC 61000-4-2 ESD Protection and IEC 61000-4-5 Surge 8/20  $\mu$ S rating on single high speed communication data lines in HDMI, USB and DVI applications.

Product data sheets with detailed specifications and cross reference searching can be viewed on the Bourns website at [www.bourns.com](http://www.bourns.com).

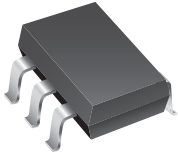


#### **CDSC706-0504C Features**

- Lead free as standard
- RoHS compliant\*
- Low capacitance - 1.3 pF
- ESD protection >25 kV
- Surge protection

#### **CDSC706-0504C Applications**

- Personal Digital Assistants (PDAs)
- Notebook and PC computers
- Memory card protection
- SIM card port protection
- Portable electronics

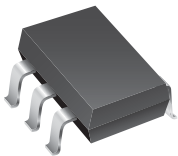


#### **CDSOT236-0504C Features**

- RoHS compliant\*
- Low capacitance - 1 pF
- ESD protection >15 kV
- Protects 4 I/O and 1 VDD line

#### **CDSOT236-0504C Applications**

- HDMI 1.3 version
- PDAs and notebooks
- Consumer electronics
- Display port interface
- USB 2.0 up to 480 Mb/s

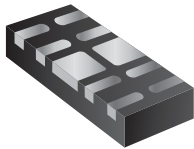


#### **CDSOT236-0504LC Features**

- RoHS compliant\*
- Low capacitance - 0.55 pF
- ESD protection >15 kV
- Protects 4 I/O and 1 VDD line

#### **CDSOT236-0504LC Applications**

- HDMI 1.3 version
- PDAs and notebooks
- Consumer electronics
- Display port interface
- USB 2.0 up to 480 Mb/s

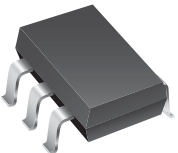


#### **CDDFN10-0524P Features**

- Lead free as standard
- RoHS compliant\*
- Low capacitance - 0.5 pF
- ESD protection >15 kV

#### **CDDFN10-0524P Applications**

- HDMI 1.3
- Digital Visual Interface (DVI)
- USB 2.0 up to 480 Mb/s
- IEEE 1394 up to 3.2 Gb/s
- Portable electronics



#### **CDSOT563-0502 & CDSOT236-0502 Features**

- Lead free as standard
- RoHS compliant\*
- Low capacitance - 2 pF
- ESD protection >15 kV

#### **CDSOT563-0502 & CDSOT236-0502 Applications**

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



#### **CDSOD323-TxxLC Features**

- Lead free as standard
- RoHS compliant\*
- ESD protection >40 kV
- Low capacitance ~ 0.6 pF
- Protects 1 line
- Uni/bidirectional configuration

#### **CDSOD323-TxxLC Applications**

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