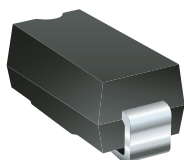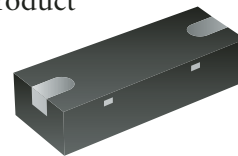# Featured Products Bulletin

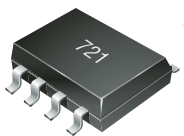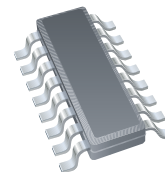## ESD PROTECTION PRODUCTS

Bourns® ESD Protection Products

Riverside, California - March 20, 2008 - Bourns, Inc. is pleased to announce the new product release of several new families of ESD protection products. The CDDFN2-T4.7C device housed in an ultrasmall DFN-2 package has a 4.7 V bidirectional TVS diode which offers the designer low 15 pF capacitance ESD/EFT protection on a single data line. The small DFN-2 package makes them ideal for space saving portable electronic applications such as cell phones, PDAs, digital cameras, MP3 players and GPS handheld systems.

The new SMC package CD214L-T series offers a range of 3 kW 5 V – 170 V TVS for ESD/EFT/Surge protection on power and I/O data line applications. These devices cross to the MicroSemi SMLJ and Diodes, Inc 3.0SMCJ family series.

The CDNBS16-SR720 Steering Diode Array in an NSOIC 16L package offers 3 pF low capacitance with ESD/EFT/Surge protection on 14 I/O data line applications. This device crosses to the Littelfuse SP720 device.

The CDNBS08-SR721 Steering Diode Array in an NSOIC 8L package offers 3 pF low capacitance with ESD/EFT/Surge protection on 6 I/O data line applications. This device crosses to the Littelfuse SP721 device.

The CDNBS08-SMDA05-6 TVS Diode Array in an NSOIC 8L package offers 6 x 5 V TVS 120 pF maximum capacitance with ESD/EFT/Surge protection on 5 or 6 I/O data line applications. This device crosses to the ST Micro ESDA6V1U1 device.

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

ESD0807

CDDFN2-T4.7C Features

- Lead free as standard
- RoHS compliant*
- ESD protection >40k V
- Protects 1 line

Applications

- Laptop computers
- Cellular phones
- Digital cameras
- PDAs

CD214L-T Features

- Lead free as standard
- RoHS compliant (lead free)*
- Surface Mount SMC package
- Standoff Voltage: 5.0 to 170 volts
- Power Dissipation: 3000 watts

Applications

- ESD/EFT/Surge Protection on power and I/O data line applications

CDNBS16-SR720 Features

- RoHS compliant*
- ESD protection >40k V
- Protects 14 lines
- Low capacitance - 3 pF

Applications

- Ethernet ports
- Portable electronics
- Wireless LANs
- xDSL equipment

CDNBS08-SR721 Features

- RoHS compliant*
- ESD protection >40k V
- Protects 6 lines
- Low capacitance - 3 pF

Applications

- Ethernet ports
- Portable electronics
- Wireless LANs
- xDSL equipment

CDNBS08-SMDA05-6 Features

- RoHS compliant*
- ESD protection >25k V
- Protects 6 unidirectional lines
- Protects 5 bidirectional lines

Applications

- Sensor electronics
- Portable electronics
- RS232, RS422 & RS423 data lines