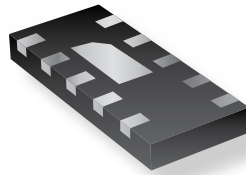


New Product Release

CHIP DIODES



Bourns Adds Model CDDFN10-0516P Surface Mount TVS Diode Array for USB 3.1 Ports

Riverside, California - February 12, 2016 - Bourns is pleased to announce the release of a new ESD protection product, the [Model CDDFN10-0516P](#) TVS diode array, for high-speed communication port applications.

The Bourns® Model CDDFN10-0516P TVS diode array comes in a DFN-10 package and combines a 5 V TVS diode with twelve steering diodes to provide protection for six high-speed data lines. It offers an ultra-low capacitance of only 0.35 picofarads from each input/output to ground and provides ± 10 kV Contact Discharge and ± 15 kV Air Discharge ESD Protection per IEC 61000-4-2.

The Bourns® Model CDDFN10-0516P is designed to protect high-speed data ports such as USB 3.1 ports from ESD transients. For USB 3.1 high-speed ports, maintaining signal line impedance is a critical requirement. The use of a DFN-10 package using a flow-through layout provides minimal impedance change on the high-speed data line, while the ultra-low capacitance of the device minimizes signal degradation on each channel. The solid-state avalanche technology used in the Model CDDFN10-0516P does not degrade after multiple ESD events.

The product data sheet 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 capacitance - 0.02 pF (I/O to I/O)
- ESD protection to IEC 61000-4-2 (Level 4)
- RoHS compliant*

Applications

- USB 3.0
- USB 3.1