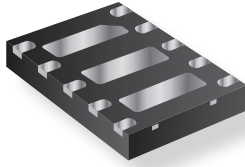


New Product Release

CHIP DIODES



Bourns Adds New Model CDDFN10-2574N Surface Mount TVS Diode Array for Ethernet Ports

Riverside, California - August 3, 2017 - Bourns is pleased to announce the release of a new ESD protection product, the [Model CDDFN10-2574N](#), for high speed communication port applications.

The Bourns® Model CDDFN10-2574N TVS diode array comes in a DFN-10 package and combines a 2.5 V TVS diode with steering diodes to provide protection for eight high-speed data lines. It offers an ultra-low capacitance of only 1.7 picofarads from each input/output to ground and provides ± 30 kV contact discharge and ± 30 kV air discharge ESD protection per IEC 61000-4-2.

The Bourns® Model CDDFN10-2574N is designed to protect high-speed data ports from ESD transients. For high-speed ports such as Gigabit Ethernet, maintaining signal line impedance is a critical requirement. The use of a DFN10 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. Unlike competing technologies, the solid state avalanche technology used in the CDDFN10-2574N 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

- IEC 61000-4-2 (ESD) ± 30 kV (Air/Contact)
IEC 61000-4-5 (Lightning) 45 A (8/20 μ s)
- ESD protection to IEC 61000-4-2 (Level 4)
- RoHS compliant*

Applications

- WAN/LAN devices
- 10/100/1000 Ethernet