

General Description

The AOZ8937DI is a 7-channel combo transient voltage suppressor array designed to protect high-speed data lines such as USB3.1, Thunderbolt, Displayport, and VBUS from damaging ESD events.

This device incorporates 6 channels for high speed data lines and 1 channel for VBUS.

The AOZ8937DI comes in a RoHS compliant and Halogen Free DFN4.1x2.0 package and is rated for -40°C to +125°C junction temperature range.

Features

- IEC61000-4-2, ESD immunity (Contact/Air)
 - ± 12/15 kV (High Speed Data lines)
 - ± 30/30 kV (VBUS)
- IEC61000-4-5, Surge Immunity (8/20µs)
 - ± 3 A (High Speed Data lines)
 - ± 5 A (VBUS).
- Capacitance between I/O to GND
 - 0.3 pF (High Speed Data lines)
 - 16 pF (VBUS)

Applications

- USB3.1/3.2&USB2.0
- Thunderbolt
- Displayport
- Notebook computers



Typical Application



