

Applications



- Industrial
- Communications
- Medical Devices
- Military & Aerospace
- Computing
- Automotive
- Test & Measurement
- Consumer

Products



- TVS Diode Arrays
- Steering Diodes / TVS Array
- Steering Diodes
- EMI Filters / TVS Diodes Array
- Flip Chip TVS Arrays
- Thyristors
- Component Modules / SurgeBuster™ Modules
- Analog Devices
- Over-Current Protections / Fuses



PROTEK DEVICES is a manufacturer of transient voltage suppression (TVS) products (DIODE) designed specifically for the protection of electronic systems from the effects of lightning, electrostatic discharge (ESD), nuclear electromagnetic pulse (NEMP), inductive switching and EMI/RFI.

Industrial



PROTEK DEVICES has developed protection solutions for a wide range of industrial equipment/systems. A typical control systems application has several circuits and interfaces that are vulnerable to the effects of ESD, EFT and other induced surges.

Communications



Today's data transfer rates run into the gigabit range and capacitance plays a much larger role. Designers are faced with the challenge of finding protection solutions that are compatible with higher data rate applications such as Ethernet, USB and IEEE-1394. High data rate applications require low capacitance protection solutions; which can be achieved by inserting a high voltage rectifier chip in opposite polarity of a TVS diode array.

PROTEK DEVICES TVS Products

Medical Devices



Medical Devices are susceptible to damage caused by ESD, which can be generated from sources such as human contact or air discharge. In addition, medical equipment can be sensitive to EMI/RFI interference because of their high operating frequencies.

Military & Aerospace



Military and Aerospace industries require reliable, high-performance protection products that can withstand harsh environmental conditions. PROTEK DEVICES offers protection solutions that meet the stringent requirements of the following standards: MIL-STD-1399, MIL-STD-704, MIL-STD-750, MIL-STD-1275, MIL-PRF-19500.

Automotive



PROTEK DEVICES has developed protection solutions for a wide range of automotive electronic systems. A typical automotive application has several circuits and interfaces that are vulnerable to the effects of ESD, EFT and other induced surges. Typical applications include the infotainment network, chassis, the body and power network.

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Computing



A typical WAN configuration consists of centralized servers, workstations and peripheral devices. The equipment within this configuration are susceptible to damage caused by ESD, EFT, EMI and secondary lightning threats.

Protection from these threats lies in the individual discrete protection for I/O ports at all equipment levels. Protection can also be provided at the system interconnecting ports. The protection schemes outlined are recommended for low insertion loss, high signal integrity and low noise/crosstalk with increasing bandwidth.

Test & Measurement



PPROTEK DEVICES has developed protection solutions for a wide range of test and measurement equipment/systems. A typical control systems application has several circuits and interfaces that are vulnerable to the effects of ESD, EFT and other induced surges.

Consumer



Consumer Electronics are susceptible to damage caused by ESD, which can be generated from sources such as human contact or air discharge. In addition, equipment such as Set-Top Boxes are sensitive to EMI/RFI interference because of their high operating frequencies.

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