

# Global TVS Diodes Market Research Report 2012-2024

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## Abstracts

### SUMMARY

Transient Voltage Suppressors (TVS) are devices used to protect vulnerable circuits from electrical overstress such as that caused by electrostatic discharge, inductive load switching and induced lightning. Within the TVS, damaging voltage spikes are limited by clamping or avalanche action of a rugged silicon p-n junction which reduces the amplitude of the transient to a nondestructive level. Transient Voltage Suppression (TVS) diodes are solid state p-n junction devices specifically designed to protect semiconductors from the damaging effects of transient voltages. The electrical characteristics of the transient protection circuit are determined by factors such as junction area, doping concentration, and substrate resistivity. The surge power and surge current capability of the TVS diode are proportional to the junction area. TVS diodes are constructed with large cross sectional area junctions for absorbing high transient current. While the VI characteristic curve of the TVS diode is similar to that of a zener diode, TVS diodes are specifically designed, characterized, and tested for transient voltage suppression. By contrast, zener diodes are designed and specified for voltage regulation.

The global TVS Diodes market will reach xxx Million USD in 2019 with CAGR xx% 2019-2024. The objective of report is to define, segment, and project the market on the basis of product type, application, and region, and to describe the content about the factors influencing market dynamics, policy, economic, technology and market entry etc.

Based on products type, the report describes major products type share of regional market. Products mentioned as follows:

Uni-polar TVS

Bi-polar TVS

Leading vendors in the market are included based on profile, business performance etc.  
Vendors mentioned as follows:

Vishay

Littelfuse

ON Semiconductor

STMicroelectronics

Bourns

NXP

Diodes Inc.

Infineon

BrightKing

ANOVA

FAIRCHILD

SEMTECH

MDE

TOSHIBA

EIC

PROTEK

WAYON

INPAQ

SOCAY

UN Semiconductor

MICROSEMI

Bencent

TOREX

ONCHIP

LAN technology

Based on Application, the report describes major application share of regional market. Application mentioned as follows:

Consumer electronic

Automotive electronics

Power Supplies

Industrial

Computer

Telecommunications

Others

Based on region, the report describes major regions market by products and application. Regions mentioned as follows:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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