

Global Transient Voltage Suppressors Market Growth 2025-2031

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Abstracts

The global Transient Voltage Suppressors market size is predicted to grow from US\$ 2580 million in 2025 to US\$ 3454 million in 2031; it is expected to grow at a CAGR of 5.0% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Transient Voltage Suppressor (TVS) Diodes 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 Transient Voltage Suppressor (TVS) Diodes, 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 non-destructive level.

The main global transient voltage suppressors (TVS) diodes manufacturers include Infineon, Nexperia, SEMTECH, etc. The top 5 manufacturers account for approximately 50% of the total global market. China is the largest consumer market, accounting for about 37%, followed by Southeast Asia. In terms of product, bi-polar TVS is the largest segment, with a share about 84%. And in terms of application, the largest application is telecommunications, followed by automotive and Industrial.

LP Information, Inc. (LPI) ' newest research report, the "Transient Voltage Suppressors Industry Forecast" looks at past sales and reviews total world Transient Voltage Suppressors sales in 2024, providing a comprehensive analysis by region and market sector of projected Transient Voltage Suppressors sales for 2025 through 2031. With

Transient Voltage Suppressors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Transient Voltage Suppressors industry.

This Insight Report provides a comprehensive analysis of the global Transient Voltage Suppressors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Transient Voltage Suppressors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Transient Voltage Suppressors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Transient Voltage Suppressors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Transient Voltage Suppressors.

This report presents a comprehensive overview, market shares, and growth opportunities of Transient Voltage Suppressors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Uni-polar TVS

Bi-polar TVS

Segmentation by Application:

Automotive

Industrial

Power Supplies

Military / Aerospace

Telecommunication

Computing

Consumer Electronics

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Infineon

Nexperia

SEMTECH

Vishay

Littelfuse

BrightKing

Amazing

STMicroelectronics

Onsemi

OmniVision

WAYON

Diodes Inc.

Bourns

LAN technology

ANOVA

MDE

TOSHIBA

UN Semiconductor

PROTEK

INPAQ

EIC

SOCAY

Key Questions Addressed in this Report

What is the 10-year outlook for the global Transient Voltage Suppressors market?

What factors are driving Transient Voltage Suppressors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Transient Voltage Suppressors market opportunities vary by end market size?

How does Transient Voltage Suppressors break out by Type, by Application?

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