

# Global TVS and ESD Protection Diodes Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global TVS and ESD Protection Diodes market size was valued at USD 2084.7 million in 2023 and is forecast to a readjusted size of USD 2854.8 million by 2030 with a CAGR of 4.6% during review period.

Global TVS and ESD Protection diodes main players include Infineon, Nexperia, SEMTECH, Vishay, Littelfuse, BrightKing, Amazing, STMicroelectronics, etc., totally accounting for about 68%. North America is the largest market, with a share over 30%. As for the types of products, it can be divided into ESD protection diodes and TVS diodes. TVS diodes is the largest segment, holding a share about 80%. In terms of application, it is widely used in automobile industry, industrial, power supply, military/aerospace, telecommunications, PC and others. The most common application is in telecommunications, taking a share over 43%.

The Global Info Research report includes an overview of the development of the TVS and ESD Protection Diodes industry chain, the market status of Automobile (ESD Protection Diodes, TVS Diodes), Industrial (ESD Protection Diodes, TVS Diodes), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of TVS and ESD Protection Diodes.

Regionally, the report analyzes the TVS and ESD Protection Diodes markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global TVS and ESD Protection Diodes market, with robust domestic

demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the TVS and ESD Protection Diodes market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the TVS and ESD Protection Diodes industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (M Units), revenue generated, and market share of different by Type (e.g., ESD Protection Diodes, TVS Diodes).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the TVS and ESD Protection Diodes market.

**Regional Analysis:** The report involves examining the TVS and ESD Protection Diodes market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the TVS and ESD Protection Diodes market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to TVS and ESD Protection Diodes:

**Company Analysis:** Report covers individual TVS and ESD Protection Diodes manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards TVS and ESD Protection Diodes This may involve surveys, interviews,

and analysis of consumer reviews and feedback from different by Application (Automobile, Industrial).

**Technology Analysis:** Report covers specific technologies relevant to TVS and ESD Protection Diodes. It assesses the current state, advancements, and potential future developments in TVS and ESD Protection Diodes areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the TVS and ESD Protection Diodes market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

TVS and ESD Protection Diodes market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

ESD Protection Diodes

TVS Diodes

### Market segment by Application

Automobile

Industrial

Power Supply

Military/Aerospace

Telecommunications

PC

Others

### Major players covered

Infineon

Nexperia

SEMTECH

Vishay

Littelfuse

BrightKing

Amazing

STMicroelectronics

ON Semiconductor

OmniVision

WAYON

Diodes Inc.

Prisemi

Bourns

LAN technology

ANOVA

MDE

TOSHIBA

UN Semiconductor

PROTEK

INPAQ

EIC

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe TVS and ESD Protection Diodes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of TVS and ESD Protection Diodes, with price, sales, revenue and global market share of TVS and ESD Protection Diodes from 2019 to 2024.

Chapter 3, the TVS and ESD Protection Diodes competitive situation, sales quantity,

revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the TVS and ESD Protection Diodes breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and TVS and ESD Protection Diodes market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of TVS and ESD Protection Diodes.

Chapter 14 and 15, to describe TVS and ESD Protection Diodes sales channel, distributors, customers, research findings and conclusion.

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