

Global ESD Protection Diode Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G23214D2CCC2EN.html>

Date: June 2025

Pages: 125

Price: US\$ 3,480.00 (Single User License)

ID: G23214D2CCC2EN

Abstracts

According to our (Global Info Research) latest study, the global ESD Protection Diode market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

ESD Protection Diode is a diode that is specifically designed to provide ESD protection for the circuit in a variety of fields. Reliable system design requires some form of Electrostatic Discharge (ESD) protection. Although several types of transient circuit protection devices are available, care must be taken when deciding which circuit protection device to use. An ill-chosen device will not only be ineffective, but can interfere with the normal operation of the circuit.

In China market, key manufacturers include Vishay, On semiconductor, Toshiba, Texas Instruments, Littelfuse, Infineon, NXP, STMicroelectronics, BrightKing, Yint, Galaxy Electrical, SOCAI, LANGTUO and LAN Technology, etc.

This report is a detailed and comprehensive analysis for global ESD Protection Diode market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global ESD Protection Diode market size and forecasts, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (USD/Unit), 2020-2031

Global ESD Protection Diode market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (USD/Unit), 2020-2031

Global ESD Protection Diode market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (USD/Unit), 2020-2031

Global ESD Protection Diode market shares of main players, shipments in revenue (\$ Million), sales quantity (M Units), and ASP (USD/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for ESD Protection Diode

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global ESD Protection Diode market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Vishay, On semiconductor, Toshiba, Texas Instruments, Littelfuse, Infineon, NXP, STMicroelectronics, BrightKing, Yint, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

ESD Protection Diode market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Below 10 pF

10 pf~100 pF

Above 100 pF

Market segment by Application

Consumer Electronics

Automotive Electronics

Industrial Power Distribution

Lighting

Security Systems

Medical Electronics

Home/Office Applications

Power Supply

Other

Major players covered

Vishay

On semiconductor

Toshiba

Texas Instruments

Littelfuse

Infineon

NXP

STMicroelectronics

BrightKing

Yint

Galaxy Electrical

SOCAY

LANGTUO

LAN Technology

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 ESD Protection Diode product scope, market overview, market

estimation caveats and base year.

Chapter 2, to profile the top manufacturers of ESD Protection Diode, with price, sales quantity, revenue, and global market share of ESD Protection Diode from 2020 to 2025.

Chapter 3, the ESD Protection Diode competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the ESD Protection Diode breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and ESD Protection Diode market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 ESD Protection Diode.

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

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