

Global ESD Protection Diode Market Size, Manufacturers, Opportunities and Forecast to 2030

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Abstracts

Summary

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.

According to APO Research, The global ESD Protection Diode market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

North American market for ESD Protection Diode is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for ESD Protection Diode is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for ESD Protection Diode is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of ESD Protection Diode include Vishay, On

semiconductor, Toshiba, Texas Instruments, Littelfuse, Infineon, NXP, STMicroelectronics and BrightKing, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for ESD Protection Diode, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding ESD Protection Diode.

The ESD Protection Diode market size, estimations, and forecasts are provided in terms of sales volume (M Units) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global ESD Protection Diode market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Vishay

On semiconductor

Toshiba

Texas Instruments

Littelfuse

Infineon

NXP

STMicroelectronics

BrightKing

Yint

Galaxy Electrical

SOCAY

LANGTUO

LAN Technology

ESD Protection Diode segment by Type

Below 10 pF

10 pf~100 pF

Above 100 pF

ESD Protection Diode segment by Application

Consumer Electronics

Automotive Electronics

Industrial Power Distribution

Lighting

Security Systems

Medical Electronics

Home/Office Applications

Power Supply

Other

ESD Protection Diode Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to

business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global ESD Protection Diode market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of ESD Protection Diode and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of ESD Protection Diode.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the

driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of ESD Protection Diode manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of ESD Protection Diode in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global ESD Protection Diode Market Size Estimates and Forecasts (2019-2030)
 - 1.2.2 Global ESD Protection Diode Sales Estimates and Forecasts (2019-2030)
- 1.3 ESD Protection Diode Market by Type
 - 1.3.1 Below 10 pF
 - 1.3.2 10 pf~100 pF
 - 1.3.3 Above 100 pF
- 1.4 Global ESD Protection Diode Market Size by Type
 - 1.4.1 Global ESD Protection Diode Market Size Overview by Type (2019-2030)
 - 1.4.2 Global ESD Protection Diode Historic Market Size Review by Type (2019-2024)
 - 1.4.3 Global ESD Protection Diode Forecasted Market Size by Type (2025-2030)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America ESD Protection Diode Sales Breakdown by Type (2019-2024)
 - 1.5.2 Europe ESD Protection Diode Sales Breakdown by Type (2019-2024)
 - 1.5.3 Asia-Pacific ESD Protection Diode Sales Breakdown by Type (2019-2024)
 - 1.5.4 Latin America ESD Protection Diode Sales Breakdown by Type (2019-2024)
 - 1.5.5 Middle East and Africa ESD Protection Diode Sales Breakdown by Type (2019-2024)

2 GLOBAL MARKET DYNAMICS

- 2.1 ESD Protection Diode Industry Trends
- 2.2 ESD Protection Diode Industry Drivers
- 2.3 ESD Protection Diode Industry Opportunities and Challenges
- 2.4 ESD Protection Diode Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by ESD Protection Diode Revenue (2019-2024)
- 3.2 Global Top Players by ESD Protection Diode Sales (2019-2024)
- 3.3 Global Top Players by ESD Protection Diode Price (2019-2024)
- 3.4 Global ESD Protection Diode Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global ESD Protection Diode Key Company Manufacturing Sites & Headquarters
- 3.6 Global ESD Protection Diode Company, Product Type & Application

3.7 Global ESD Protection Diode Company Commercialization Time

3.8 Market Competitive Analysis

3.8.1 Global ESD Protection Diode Market CR5 and HHI

3.8.2 Global Top 5 and 10 ESD Protection Diode Players Market Share by Revenue in 2023

3.8.3 2023 ESD Protection Diode Tier 1, Tier 2, and Tier

4 ESD PROTECTION DIODE REGIONAL STATUS AND OUTLOOK

4.1 Global ESD Protection Diode Market Size and CAGR by Region: 2019 VS 2023 VS 2030

4.2 Global ESD Protection Diode Historic Market Size by Region

4.2.1 Global ESD Protection Diode Sales in Volume by Region (2019-2024)

4.2.2 Global ESD Protection Diode Sales in Value by Region (2019-2024)

4.2.3 Global ESD Protection Diode Sales (Volume & Value), Price and Gross Margin (2019-2024)

4.3 Global ESD Protection Diode Forecasted Market Size by Region

4.3.1 Global ESD Protection Diode Sales in Volume by Region (2025-2030)

4.3.2 Global ESD Protection Diode Sales in Value by Region (2025-2030)

4.3.3 Global ESD Protection Diode Sales (Volume & Value), Price and Gross Margin (2025-2030)

5 ESD PROTECTION DIODE BY APPLICATION

5.1 ESD Protection Diode Market by Application

5.1.1 Consumer Electronics

5.1.2 Automotive Electronics

5.1.3 Industrial Power Distribution

5.1.4 Lighting

5.1.5 Security Systems

5.1.6 Medical Electronics

5.1.7 Home/Office Applications

5.1.8 Power Supply

5.1.9 Other

5.2 Global ESD Protection Diode Market Size by Application

5.2.1 Global ESD Protection Diode Market Size Overview by Application (2019-2030)

5.2.2 Global ESD Protection Diode Historic Market Size Review by Application (2019-2024)

5.2.3 Global ESD Protection Diode Forecasted Market Size by Application

(2025-2030)

5.3 Key Regions Market Size by Application

5.3.1 North America ESD Protection Diode Sales Breakdown by Application

(2019-2024)

5.3.2 Europe ESD Protection Diode Sales Breakdown by Application (2019-2024)

5.3.3 Asia-Pacific ESD Protection Diode Sales Breakdown by Application (2019-2024)

5.3.4 Latin America ESD Protection Diode Sales Breakdown by Application

(2019-2024)

5.3.5 Middle East and Africa ESD Protection Diode Sales Breakdown by Application

(2019-2024)

6 COMPANY PROFILES

6.1 Vishay

6.1.1 Vishay Company Information

6.1.2 Vishay Business Overview

6.1.3 Vishay ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.1.4 Vishay ESD Protection Diode Product Portfolio

6.1.5 Vishay Recent Developments

6.2 On semiconductor

6.2.1 On semiconductor Company Information

6.2.2 On semiconductor Business Overview

6.2.3 On semiconductor ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.2.4 On semiconductor ESD Protection Diode Product Portfolio

6.2.5 On semiconductor Recent Developments

6.3 Toshiba

6.3.1 Toshiba Company Information

6.3.2 Toshiba Business Overview

6.3.3 Toshiba ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.3.4 Toshiba ESD Protection Diode Product Portfolio

6.3.5 Toshiba Recent Developments

6.4 Texas Instruments

6.4.1 Texas Instruments Company Information

6.4.2 Texas Instruments Business Overview

6.4.3 Texas Instruments ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.4.4 Texas Instruments ESD Protection Diode Product Portfolio

6.4.5 Texas Instruments Recent Developments

6.5 Littelfuse

6.5.1 Littelfuse Company Information

6.5.2 Littelfuse Business Overview

6.5.3 Littelfuse ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.5.4 Littelfuse ESD Protection Diode Product Portfolio

6.5.5 Littelfuse Recent Developments

6.6 Infineon

6.6.1 Infineon Company Information

6.6.2 Infineon Business Overview

6.6.3 Infineon ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.6.4 Infineon ESD Protection Diode Product Portfolio

6.6.5 Infineon Recent Developments

6.7 NXP

6.7.1 NXP Company Information

6.7.2 NXP Business Overview

6.7.3 NXP ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.7.4 NXP ESD Protection Diode Product Portfolio

6.7.5 NXP Recent Developments

6.8 STMicroelectronics

6.8.1 STMicroelectronics Company Information

6.8.2 STMicroelectronics Business Overview

6.8.3 STMicroelectronics ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.8.4 STMicroelectronics ESD Protection Diode Product Portfolio

6.8.5 STMicroelectronics Recent Developments

6.9 BrightKing

6.9.1 BrightKing Company Information

6.9.2 BrightKing Business Overview

6.9.3 BrightKing ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.9.4 BrightKing ESD Protection Diode Product Portfolio

6.9.5 BrightKing Recent Developments

6.10 Yint

6.10.1 Yint Company Information

6.10.2 Yint Business Overview

6.10.3 Yint ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)

6.10.4 Yint ESD Protection Diode Product Portfolio

6.10.5 Yint Recent Developments

6.11 Galaxy Electrical

6.11.1 Galaxy Electrical Company Information

- 6.11.2 Galaxy Electrical Business Overview
- 6.11.3 Galaxy Electrical ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)
- 6.11.4 Galaxy Electrical ESD Protection Diode Product Portfolio
- 6.11.5 Galaxy Electrical Recent Developments
- 6.12 SOCAPY
 - 6.12.1 SOCAPY Company Information
 - 6.12.2 SOCAPY Business Overview
 - 6.12.3 SOCAPY ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)
 - 6.12.4 SOCAPY ESD Protection Diode Product Portfolio
 - 6.12.5 SOCAPY Recent Developments
- 6.13 LANGTUO
 - 6.13.1 LANGTUO Company Information
 - 6.13.2 LANGTUO Business Overview
 - 6.13.3 LANGTUO ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)
 - 6.13.4 LANGTUO ESD Protection Diode Product Portfolio
 - 6.13.5 LANGTUO Recent Developments
- 6.14 LAN Technology
 - 6.14.1 LAN Technology Company Information
 - 6.14.2 LAN Technology Business Overview
 - 6.14.3 LAN Technology ESD Protection Diode Sales, Revenue and Gross Margin (2019-2024)
 - 6.14.4 LAN Technology ESD Protection Diode Product Portfolio
 - 6.14.5 LAN Technology Recent Developments

7 NORTH AMERICA BY COUNTRY

- 7.1 North America ESD Protection Diode Sales by Country
 - 7.1.1 North America ESD Protection Diode Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
 - 7.1.2 North America ESD Protection Diode Sales by Country (2019-2024)
 - 7.1.3 North America ESD Protection Diode Sales Forecast by Country (2025-2030)
- 7.2 North America ESD Protection Diode Market Size by Country
 - 7.2.1 North America ESD Protection Diode Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
 - 7.2.2 North America ESD Protection Diode Market Size by Country (2019-2024)
 - 7.2.3 North America ESD Protection Diode Market Size Forecast by Country (2025-2030)

8 EUROPE BY COUNTRY

8.1 Europe ESD Protection Diode Sales by Country

8.1.1 Europe ESD Protection Diode Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.1.2 Europe ESD Protection Diode Sales by Country (2019-2024)

8.1.3 Europe ESD Protection Diode Sales Forecast by Country (2025-2030)

8.2 Europe ESD Protection Diode Market Size by Country

8.2.1 Europe ESD Protection Diode Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.2.2 Europe ESD Protection Diode Market Size by Country (2019-2024)

8.2.3 Europe ESD Protection Diode Market Size Forecast by Country (2025-2030)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific ESD Protection Diode Sales by Country

9.1.1 Asia-Pacific ESD Protection Diode Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific ESD Protection Diode Sales by Country (2019-2024)

9.1.3 Asia-Pacific ESD Protection Diode Sales Forecast by Country (2025-2030)

9.2 Asia-Pacific ESD Protection Diode Market Size by Country

9.2.1 Asia-Pacific ESD Protection Diode Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific ESD Protection Diode Market Size by Country (2019-2024)

9.2.3 Asia-Pacific ESD Protection Diode Market Size Forecast by Country (2025-2030)

10 LATIN AMERICA BY COUNTRY

10.1 Latin America ESD Protection Diode Sales by Country

10.1.1 Latin America ESD Protection Diode Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America ESD Protection Diode Sales by Country (2019-2024)

10.1.3 Latin America ESD Protection Diode Sales Forecast by Country (2025-2030)

10.2 Latin America ESD Protection Diode Market Size by Country

10.2.1 Latin America ESD Protection Diode Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America ESD Protection Diode Market Size by Country (2019-2024)

10.2.3 Latin America ESD Protection Diode Market Size Forecast by Country

(2025-2030)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa ESD Protection Diode Sales by Country

11.1.1 Middle East and Africa ESD Protection Diode Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa ESD Protection Diode Sales by Country (2019-2024)

11.1.3 Middle East and Africa ESD Protection Diode Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa ESD Protection Diode Market Size by Country

11.2.1 Middle East and Africa ESD Protection Diode Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa ESD Protection Diode Market Size by Country (2019-2024)

11.2.3 Middle East and Africa ESD Protection Diode Market Size Forecast by Country (2025-2030)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 ESD Protection Diode Value Chain Analysis

12.1.1 ESD Protection Diode Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 ESD Protection Diode Production Mode & Process

12.2 ESD Protection Diode Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 ESD Protection Diode Distributors

12.2.3 ESD Protection Diode Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Major Company of Below 10 pF

Table 2. Major Company of 10 pf~100 pF

Table 3. Major Company of Above 100 pF

Table 4. Global ESD Protection Diode Sales by Type (2019 VS 2023 VS 2030) & (US\$ Million)

Table 5. Global ESD Protection Diode Sales by Type (2019-2024) & (M Units)

Table 6. Global ESD Protection Diode Sales Market Share in Volume by Type (2019-2024)

Table 7. Global ESD Protection Diode Sales by Type (2019-2024) & (US\$ Million)

Table 8. Global ESD Protection Diode Sales Market Share in Value by Type (2019-2024)

Table 9. Global ESD Protection Diode Price by Type (2019-2024) & (USD/Unit)

Table 10. Global ESD Protection Diode Sales by Type (2025-2030) & (M Units)

Table 11. Global ESD Protection Diode Sales Market Share in Volume by Type (2025-2030)

Table 12. Global ESD Protection Diode Sales by Type (2025-2030) & (US\$ Million)

Table 13. Global ESD Protection Diode Sales Market Share in Value by Type (2025-2030)

Table 14. Global ESD Protection Diode Price by Type (2025-2030) & (USD/Unit)

Table 15. North America ESD Protection Diode Sales by Type (2019-2024) & (M Units)

Table 16. North America ESD Protection Diode Sales by Type (2019-2024) & (US\$ Million)

Table 17. Europe ESD Protection Diode Sales by Type (2019-2024) & (M Units)

Table 18. Europe ESD Protection Diode Sales by Type (2019-2024) & (US\$ Million)

Table 19. Asia-Pacific ESD Protection Diode Sales by Type (2019-2024) & (M Units)

Table 20. Asia-Pacific ESD Protection Diode Sales by Type (2019-2024) & (US\$ Million)

Table 21. Latin America ESD Protection Diode Sales by Type (2019-2024) & (M Units)

Table 22. Latin America ESD Protection Diode Sales by Type (2019-2024) & (US\$ Million)

Table 23. Middle East and Africa ESD Protection Diode Sales by Type (2019-2024) & (M Units)

Table 24. Middle East and Africa ESD Protection Diode Sales by Type (2019-2024) & (US\$ Million)

Table 25. ESD Protection Diode Industry Trends

Table 26. ESD Protection Diode Industry Drivers

- Table 27. ESD Protection Diode Industry Opportunities and Challenges
- Table 28. ESD Protection Diode Industry Restraints
- Table 29. Global ESD Protection Diode Sales Revenue by Company (US\$ Million) & (2019-2024)
- Table 30. Global ESD Protection Diode Revenue Market Share by Company (2019-2024)
- Table 31. Global ESD Protection Diode Sales by Company (2019-2024) & (M Units)
- Table 32. Global ESD Protection Diode Sales Share by Company (2019-2024)
- Table 33. Global ESD Protection Diode Market Price by Company (2019-2024) & (USD/Unit)
- Table 34. Global ESD Protection Diode Industry Company Ranking, 2022 VS 2023 VS 2024
- Table 35. Global ESD Protection Diode Key Company Manufacturing Sites & Headquarters
- Table 36. Global ESD Protection Diode Company, Product Type & Application
- Table 37. Global ESD Protection Diode Company Commercialization Time
- Table 38. Global Company Market Concentration Ratio (CR5 and HHI)
- Table 39. Global ESD Protection Diode by Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue of 2023)
- Table 40. Global ESD Protection Diode Market Size Comparison by Region (US\$ Million): 2019 VS 2023 VS 2030
- Table 41. Global ESD Protection Diode Sales by Region (2019-2024) & (M Units)
- Table 42. Global ESD Protection Diode Sales Market Share in Volume by Region (2019-2024)
- Table 43. Global ESD Protection Diode Sales by Region (2019-2024) & (US\$ Million)
- Table 44. Global ESD Protection Diode Sales Market Share in Value by Region (2019-2024)
- Table 45. Global ESD Protection Diode Sales (M Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 46. Global ESD Protection Diode Sales by Region (2025-2030) & (M Units)
- Table 47. Global ESD Protection Diode Sales Market Share in Volume by Region (2025-2030)
- Table 48. Global ESD Protection Diode Sales by Region (2025-2030) & (US\$ Million)
- Table 49. Global ESD Protection Diode Sales Market Share in Value by Region (2025-2030)
- Table 50. Global ESD Protection Diode Sales (M Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2025-2030)
- Table 51. Global ESD Protection Diode Sales by Application (2019 VS 2023 VS 2030) & (US\$ Million)

Table 52. Global ESD Protection Diode Sales by Application (2019-2024) & (M Units)

Table 53. Global ESD Protection Diode Sales Market Share in Volume by Application (2019-2024)

Table 54. Global ESD Protection Diode Sales by Application (2019-2024) & (US\$ Million)

Table 55. Global ESD Protection Diode Sales Market Share in Value by Application (2019-2024)

Table 56. Global ESD Protection Diode Price by Application (2019-2024) & (USD/Unit)

Table 57. Global ESD Protection Diode Sales by Application (2025-2030) & (M Units)

Table 58. Global ESD Protection Diode Sales Market Share in Volume by Application (2025-2030)

Table 59. Global ESD Protection Diode Sales by Application (2025-2030) & (US\$ Million)

Table 60. Global ESD Protection Diode Sales Market Share in Value by Application (2025-2030)

Table 61. Global ESD Protection Diode Price by Application (2025-2030) & (USD/Unit)

Table 62. North America ESD Protection Diode Sales by Application (2019-2024) & (M Units)

Table 63. North America ESD Protection Diode Sales by Application (2019-2024) & (US\$ Million)

Table 64. Europe ESD Protection Diode Sales by Application (2019-2024) & (M Units)

Table 65. Europe ESD Protection Diode Sales by Application (2019-2024) & (US\$ Million)

Table 66. Asia-Pacific ESD Protection Diode Sales by Application (2019-2024) & (M Units)

Table 67. Asia-Pacific ESD Protection Diode Sales by Application (2019-2024) & (US\$ Million)

Table 68. Latin America ESD Protection Diode Sales by Application (2019-2024) & (M Units)

Table 69. Latin America ESD Protection Diode Sales by Application (2019-2024) & (US\$ Million)

Table 70. Middle East and Africa ESD Protection Diode Sales by Application (2019-2024) & (M Units)

Table 71. Middle East and Africa ESD Protection Diode Sales by Application (2019-2024) & (US\$ Million)

Table 72. Vishay Company Information

Table 73. Vishay Business Overview

Table 74. Vishay ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 75. Vishay ESD Protection Diode Product Portfolio

Table 76. Vishay Recent Development

Table 77. On semiconductor Company Information

Table 78. On semiconductor Business Overview

Table 79. On semiconductor ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 80. On semiconductor ESD Protection Diode Product Portfolio

Table 81. On semiconductor Recent Development

Table 82. Toshiba Company Information

Table 83. Toshiba Business Overview

Table 84. Toshiba ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 85. Toshiba ESD Protection Diode Product Portfolio

Table 86. Toshiba Recent Development

Table 87. Texas Instruments Company Information

Table 88. Texas Instruments Business Overview

Table 89. Texas Instruments ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 90. Texas Instruments ESD Protection Diode Product Portfolio

Table 91. Texas Instruments Recent Development

Table 92. Littelfuse Company Information

Table 93. Littelfuse Business Overview

Table 94. Littelfuse ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 95. Littelfuse ESD Protection Diode Product Portfolio

Table 96. Littelfuse Recent Development

Table 97. Infineon Company Information

Table 98. Infineon Business Overview

Table 99. Infineon ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 100. Infineon ESD Protection Diode Product Portfolio

Table 101. Infineon Recent Development

Table 102. NXP Company Information

Table 103. NXP Business Overview

Table 104. NXP ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 105. NXP ESD Protection Diode Product Portfolio

Table 106. NXP Recent Development

Table 107. STMicroelectronics Company Information

- Table 108. STMicroelectronics Business Overview
- Table 109. STMicroelectronics ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 110. STMicroelectronics ESD Protection Diode Product Portfolio
- Table 111. STMicroelectronics Recent Development
- Table 112. BrightKing Company Information
- Table 113. BrightKing Business Overview
- Table 114. BrightKing ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 115. BrightKing ESD Protection Diode Product Portfolio
- Table 116. BrightKing Recent Development
- Table 117. Yint Company Information
- Table 118. Yint Business Overview
- Table 119. Yint ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 120. Yint ESD Protection Diode Product Portfolio
- Table 121. Yint Recent Development
- Table 122. Galaxy Electrical Company Information
- Table 123. Galaxy Electrical Business Overview
- Table 124. Galaxy Electrical ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 125. Galaxy Electrical ESD Protection Diode Product Portfolio
- Table 126. Galaxy Electrical Recent Development
- Table 127. SOCAY Company Information
- Table 128. SOCAY Business Overview
- Table 129. SOCAY ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 130. SOCAY ESD Protection Diode Product Portfolio
- Table 131. SOCAY Recent Development
- Table 132. LANGTUO Company Information
- Table 133. LANGTUO Business Overview
- Table 134. LANGTUO ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 135. LANGTUO ESD Protection Diode Product Portfolio
- Table 136. LANGTUO Recent Development
- Table 137. LAN Technology Company Information
- Table 138. LAN Technology Business Overview
- Table 139. LAN Technology ESD Protection Diode Sales (M Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 140. LAN Technology ESD Protection Diode Product Portfolio

Table 141. LAN Technology Recent Development

Table 142. North America ESD Protection Diode Market Size Growth Rate (CAGR) by Country (M Units): 2019 VS 2023 VS 2030

Table 143. North America ESD Protection Diode Sales by Country (2019-2024) & (M Units)

Table 144. North America ESD Protection Diode Sales Market Share by Country (2019-2024)

Table 145. North America ESD Protection Diode Sales Forecast by Country (2025-2030) & (M Units)

Table 146. North America ESD Protection Diode Sales Market Share Forecast by Country (2025-2030)

Table 147. North America ESD Protection Diode Market Size Growth Rate (CAGR) by Country (US\$ Million): 2019 VS 2023 VS 2030

Table 148. North America ESD Protection Diode Market Size by Country (2019-2024) & (US\$ Million)

Table 149. North America ESD Protection Diode Market Share by Country (2019-2024)

Table 150. North America ESD Protection Diode Market Size Forecast by Country (2025-2030) & (US\$ Million)

Table 151. North America ESD Protection Diode Market Share Forecast by Country (2025-2030)

Table 152. Europe ESD Protection Diode Market Size Growth Rate (CAGR) by Country (M Units): 2019 VS 2023 VS 2030

Table 153. Europe ESD Protection Diode Sales by Country (2019-2024) & (M Units)

Table 154. Europe ESD Protection Diode Sales Market Share by Country (2019-2024)

Table 155. Europe ESD Protection Diode Sales Forecast by Country (2025-2030) & (M Units)

Table 156. Europe ESD Protection Diode Sales Market Share Forecast by Country (2025-2030)

Table 157. Europe ESD Protection Diode Market Size Growth Rate (CAGR) by Country (US\$ Million): 2019 VS 2023 VS 2030

Table 158. Europe ESD Protection Diode Market Size by Country (2019-2024) & (US\$ Million)

Table 159. Europe ESD Protection Diode Market Share by Country (2019-2024)

Table 160. Europe ESD Protection Diode Market Size Forecast by Country (2025-2030) & (US\$ Million)

Table 161. Europe ESD Protection Diode Market Share Forecast by Country (2025-2030)

Table 162. Asia-Pacific ESD Protection Diode Market Size Growth Rate (CAGR) by

Country (M Units): 2019 VS 2023 VS 2030

Table 163. Asia-Pacific ESD Protection Diode Sales by Country (2019-2024) & (M Units)

Table 164. Asia-Pacific ESD Protection Diode Sales Market Share by Country (2019-2024)

Table 165. Asia-Pacific ESD Protection Diode Sales Forecast by Country (2025-2030) & (M Units)

Table 166. Asia-Pacific ESD Protection Diode Sales Market Share Forecast by Country (2025-2030)

Table 167. Asia-Pacific ESD Protection Diode Market Size Growth Rate (CAGR) by Country (US\$ Million): 2019 VS 2023 VS 2030

Table 168. Asia-Pacific ESD Protection Diode Market Size by Country (2019-2024) & (US\$ Million)

Table 169. Asia-Pacific ESD Protection Diode Market Share by Country (2019-2024)

Table 170. Asia-Pacific ESD Protection Diode Market Size Forecast by Country (2025-2030) & (US\$ Million)

Table 171. Asia-Pacific ESD Protection Diode Market Share Forecast by Country (2025-2030)

Table 172. Latin America ESD Protection Diode Market Size Growth Rate (CAGR) by Country (M Units): 2019 VS 2023 VS 2030

Table 173. Latin America ESD Protection Diode Sales by Country (2019-2024) & (M Units)

Table 174. Latin America ESD Protection Diode Sales Market Share by Country (2019-2024)

Table 175. Latin America ESD Protection Diode Sales Forecast by Country (2025-2030) & (M Units)

Table 176. Latin America ESD Protection Diode Sales Market Share Forecast by Country (2025-2030)

Table 177. Latin America ESD Protection Diode Market Size Growth Rate (CAGR) by Country (US\$ Million): 2019 VS 2023 VS 2030

Table 178. Latin America ESD Protection Diode Market Size by Country (2019-2024) & (US\$ Million)

Table 179. Latin America ESD Protection Diode Market Share by Country (2019-2024)

Table 180. Latin America ESD Protection Diode Market Size Forecast by Country (2025-2030) & (US\$ Million)

Table 181. Latin America ESD Protection Diode Market Share Forecast by Country (2025-2030)

Table 182. Middle East and Africa ESD Protection Diode Market Size Growth Rate (CAGR) by Country (M Units): 2019 VS 2023 VS 2030

Table 183. Middle East and Africa ESD Protection Diode Sales by Country (2019-2024) & (M Units)

Table 184. Middle East and Africa ESD Protection Diode Sales Market Share by Country (2019-2024)

Table 185. Middle East and Africa ESD Protection Diode Sales Forecast by Country (2025-2030) & (M Units)

Table 186. Middle East and Africa ESD Protection Diode Sales Market Share Forecast by Country (2025-2030)

Table 187. Middle East and Africa ESD Protection Diode Market Size Growth Rate (CAGR) by Country (US\$ Million): 2019 VS 2023 VS 2030

Table 188. Middle East and Africa ESD Protection Diode Market Size by Country (2019-2024) & (US\$ Million)

Table 189. Middle East and Africa ESD Protection Diode Market Share by Country (2019-2024)

Table 190. Middle East and Africa ESD Protection Diode Market Size Forecast by Country (2025-2030) & (US\$ Million)

Table 191. Middle East and Africa ESD Protection Diode Market Share Forecast by Country (2025-2030)

Table 192. Key Raw Materials

Table 193. Raw Materials Key Suppliers

Table 194. ESD Protection Diode Distributors List

Table 195. ESD Protection Diode Customers List

Table 196. Research Programs/Design for This Report

Table 197. Authors List of This Report

Table 198. Secondary Sources

Table 199. Primary Sources

List Of Figures

LIST OF FIGURES

Figure 1. ESD Protection Diode Product Picture

Figure 2. Global ESD Protection Diode Market Size (US\$ Million), 2019 VS 2023 VS 2030

Figure 3. Global ESD Protection Diode Market Size (2019-2030) & (US\$ Million)

Figure 4. Global ESD Protection Diode Sales (2019-2030) & (M Units)

Figure 5. Product Picture of Below 10 pF

Figure 6. Global Below 10 pF Sales YoY Growth (2019-2030) & (M Units)

Figure 7. Product Picture of 10 pf~100 pF

Figure 8. Global 10 pf~100 pF Sales YoY Growth (2019-2030) & (M Units)

Figure 9. Product Picture of Above 100 pF

Figure 10. Global Above 100 pF Sales YoY Growth (2019-2030) & (M Units)

Figure 11. Global ESD Protection Diode Market Size Overview by Type (2019-2030) & (US\$ Million)

Figure 12. Global ESD Protection Diode Market Share by Type 2023 VS 2030

Figure 13. North America ESD Protection Diode Sales Market Share in Volume by Type in 2023

Figure 14. North America ESD Protection Diode Sales Market Share in Value by Type in 2023

Figure 15. Europe ESD Protection Diode Sales Market Share in Volume by Type in 2023

Figure 16. Europe ESD Protection Diode Sales Market Share in Value by Type in 2023

Figure 17. Asia-Pacific ESD Protection Diode Sales Market Share in Volume by Type in 2023

Figure 18. Asia-Pacific ESD Protection Diode Sales Market Share in Value by Type in 2023

Figure 19. Latin America ESD Protection Diode Sales Market Share in Volume by Type in 2023

Figure 20. Latin America ESD Protection Diode Sales Market Share in Value by Type in 2023

Figure 21. Middle East and Africa ESD Protection Diode Sales Market Share in Volume by Type in 2023

Figure 22. Middle East and Africa ESD Protection Diode Sales Market Share in Value by Type in 2023

Figure 23. Global Top 5 and 10 ESD Protection Diode Players Market Share by Revenue in 2023

Figure 24. Company Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023

Figure 25. Product Picture of Consumer Electronics

Figure 26. Global Consumer Electronics Sales YoY Growth (2019-2030) & (M Units)

Figure 27. Product Picture of Automotive Electronics

Figure 28. Global Automotive Electronics Sales YoY Growth (2019-2030) & (M Units)

Figure 29. Product Picture of Industrial Power Distribution

Figure 30. Global Industrial Power Distribution Sales YoY Growth (2019-2030) & (M Units)

Figure 31. Product Picture of Lighting

Figure 32. Global Lighting Sales YoY Growth (2019-2030) & (M Units)

Figure 33. Product Picture of Security Systems

Figure 34. Global Security Systems Sales YoY Growth (2019-2030) & (M Units)

Figure 35. Product Picture of Medical Electronics

Figure 36. Global Medical Electronics Sales YoY Growth (2019-2030) & (M Units)

Figure 37. Product Picture of Home/Office Applications

Figure 38. Global Home/Office Applications Sales YoY Growth (2019-2030) & (M Units)

Figure 39. Product Picture of Power Supply

Figure 40. Global Power Supply Sales YoY Growth (2019-2030) & (M Units)

Figure 41. Product Picture of Other

Figure 42. Global Other Sales YoY Growth (2019-2030) & (M Un

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