

Global LED Overvoltage Protection Device Market Research Report 2026(Status and Outlook)

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Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on LED Overvoltage Protection Device competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. LED Overvoltage Protection Device refers to an electrical component or circuit specifically designed to protect LED lighting systems from voltage surges or transient overvoltage conditions. These devices detect and limit excessive voltage that could damage the LEDs, ensuring stable operation and extending their lifespan. Common protection methods include the use of metal oxide varistors (MOVs), transient voltage suppression (TVS) diodes, and surge protection modules.

The global LED Overvoltage Protection Device market size was estimated at USD 651.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 6.20% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global LED Overvoltage Protection Device market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global LED Overvoltage Protection Device market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the LED Overvoltage Protection Device market.

Global LED Overvoltage Protection Device Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Bourns

Littelfuse

Eaton

ON Semiconductor

STMicroelectronics

Infineon Technologies

Analog Devices

OSRAM

TI

Murata

JCET

Market Segmentation (by Type)

Plug-In Type
Surface Mount Type
Din Rail Mounting Type

Market Segmentation (by Application)

Electronics
Power Industry
Communcations
Other

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the LED Overvoltage Protection Device Market
Overview of the regional outlook of the LED Overvoltage Protection Device Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the LED Overvoltage Protection Device Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the 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 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of LED Overvoltage Protection Device, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of LED Overvoltage Protection Device
- 1.2 Key Market Segments
 - 1.2.1 LED Overvoltage Protection Device Segment by Type
 - 1.2.2 LED Overvoltage Protection Device Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 LED OVERVOLTAGE PROTECTION DEVICE MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global LED Overvoltage Protection Device Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global LED Overvoltage Protection Device Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 LED OVERVOLTAGE PROTECTION DEVICE MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global LED Overvoltage Protection Device Product Life Cycle
- 3.3 Global LED Overvoltage Protection Device Sales by Manufacturers (2020-2025)
- 3.4 Global LED Overvoltage Protection Device Revenue Market Share by Manufacturers (2020-2025)
- 3.5 LED Overvoltage Protection Device Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global LED Overvoltage Protection Device Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 LED Overvoltage Protection Device Market Competitive Situation and Trends

- 3.8.1 LED Overvoltage Protection Device Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest LED Overvoltage Protection Device Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

4 LED OVERVOLTAGE PROTECTION DEVICE INDUSTRY CHAIN ANALYSIS

- 4.1 LED Overvoltage Protection Device Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF LED OVERVOLTAGE PROTECTION DEVICE MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global LED Overvoltage Protection Device Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to LED Overvoltage Protection Device Market
- 5.7 ESG Ratings of Leading Companies

6 LED OVERVOLTAGE PROTECTION DEVICE MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global LED Overvoltage Protection Device Sales Market Share by Type (2020-2025)

6.3 Global LED Overvoltage Protection Device Market Size by Type (2020-2025)

6.4 Global LED Overvoltage Protection Device Price by Type (2020-2025)

7 LED OVERVOLTAGE PROTECTION DEVICE MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global LED Overvoltage Protection Device Market Sales by Application (2020-2025)

7.3 Global LED Overvoltage Protection Device Market Size (M USD) by Application (2020-2025)

7.4 Global LED Overvoltage Protection Device Sales Growth Rate by Application (2020-2025)

8 LED OVERVOLTAGE PROTECTION DEVICE MARKET SALES BY REGION

8.1 Global LED Overvoltage Protection Device Sales by Region

8.1.1 Global LED Overvoltage Protection Device Sales by Region

8.1.2 Global LED Overvoltage Protection Device Sales Market Share by Region

8.2 Global LED Overvoltage Protection Device Market Size by Region

8.2.1 Global LED Overvoltage Protection Device Market Size by Region

8.2.2 Global LED Overvoltage Protection Device Market Size by Region

8.3 North America

8.3.1 North America LED Overvoltage Protection Device Sales by Country

8.3.2 North America LED Overvoltage Protection Device Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe LED Overvoltage Protection Device Sales by Country

8.4.2 Europe LED Overvoltage Protection Device Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific LED Overvoltage Protection Device Sales by Region

- 8.5.2 Asia Pacific LED Overvoltage Protection Device Market Size by Region
- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America LED Overvoltage Protection Device Sales by Country
 - 8.6.2 South America LED Overvoltage Protection Device Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa LED Overvoltage Protection Device Sales by Region
 - 8.7.2 Middle East and Africa LED Overvoltage Protection Device Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 LED OVERVOLTAGE PROTECTION DEVICE MARKET PRODUCTION BY REGION

- 9.1 Global Production of LED Overvoltage Protection Device by Region(2020-2025)
- 9.2 Global LED Overvoltage Protection Device Revenue Market Share by Region (2020-2025)
- 9.3 Global LED Overvoltage Protection Device Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America LED Overvoltage Protection Device Production
 - 9.4.1 North America LED Overvoltage Protection Device Production Growth Rate (2020-2025)
 - 9.4.2 North America LED Overvoltage Protection Device Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe LED Overvoltage Protection Device Production
 - 9.5.1 Europe LED Overvoltage Protection Device Production Growth Rate (2020-2025)
 - 9.5.2 Europe LED Overvoltage Protection Device Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan LED Overvoltage Protection Device Production (2020-2025)

9.6.1 Japan LED Overvoltage Protection Device Production Growth Rate (2020-2025)

9.6.2 Japan LED Overvoltage Protection Device Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China LED Overvoltage Protection Device Production (2020-2025)

9.7.1 China LED Overvoltage Protection Device Production Growth Rate (2020-2025)

9.7.2 China LED Overvoltage Protection Device Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Bourns

10.1.1 Bourns Basic Information

10.1.2 Bourns LED Overvoltage Protection Device Product Overview

10.1.3 Bourns LED Overvoltage Protection Device Product Market Performance

10.1.4 Bourns Business Overview

10.1.5 Bourns SWOT Analysis

10.1.6 Bourns Recent Developments

10.2 Littelfuse

10.2.1 Littelfuse Basic Information

10.2.2 Littelfuse LED Overvoltage Protection Device Product Overview

10.2.3 Littelfuse LED Overvoltage Protection Device Product Market Performance

10.2.4 Littelfuse Business Overview

10.2.5 Littelfuse SWOT Analysis

10.2.6 Littelfuse Recent Developments

10.3 Eaton

10.3.1 Eaton Basic Information

10.3.2 Eaton LED Overvoltage Protection Device Product Overview

10.3.3 Eaton LED Overvoltage Protection Device Product Market Performance

10.3.4 Eaton Business Overview

10.3.5 Eaton SWOT Analysis

10.3.6 Eaton Recent Developments

10.4 ON Semiconductor

10.4.1 ON Semiconductor Basic Information

10.4.2 ON Semiconductor LED Overvoltage Protection Device Product Overview

10.4.3 ON Semiconductor LED Overvoltage Protection Device Product Market

Performance

10.4.4 ON Semiconductor Business Overview

10.4.5 ON Semiconductor Recent Developments

10.5 STMicroelectronics

10.5.1 STMicroelectronics Basic Information

10.5.2 STMicroelectronics LED Overvoltage Protection Device Product Overview

10.5.3 STMicroelectronics LED Overvoltage Protection Device Product Market

Performance

10.5.4 STMicroelectronics Business Overview

10.5.5 STMicroelectronics Recent Developments

10.6 Infineon Technologies

10.6.1 Infineon Technologies Basic Information

10.6.2 Infineon Technologies LED Overvoltage Protection Device Product Overview

10.6.3 Infineon Technologies LED Overvoltage Protection Device Product Market

Performance

10.6.4 Infineon Technologies Business Overview

10.6.5 Infineon Technologies Recent Developments

10.7 Analog Devices

10.7.1 Analog Devices Basic Information

10.7.2 Analog Devices LED Overvoltage Protection Device Product Overview

10.7.3 Analog Devices LED Overvoltage Protection Device Product Market

Performance

10.7.4 Analog Devices Business Overview

10.7.5 Analog Devices Recent Developments

10.8 OSRAM

10.8.1 OSRAM Basic Information

10.8.2 OSRAM LED Overvoltage Protection Device Product Overview

10.8.3 OSRAM LED Overvoltage Protection Device Product Market Performance

10.8.4 OSRAM Business Overview

10.8.5 OSRAM Recent Developments

10.9 TI

10.9.1 TI Basic Information

10.9.2 TI LED Overvoltage Protection Device Product Overview

10.9.3 TI LED Overvoltage Protection Device Product Market Performance

10.9.4 TI Business Overview

10.9.5 TI Recent Developments

10.10 Murata

10.10.1 Murata Basic Information

10.10.2 Murata LED Overvoltage Protection Device Product Overview

10.10.3 Murata LED Overvoltage Protection Device Product Market Performance

10.10.4 Murata Business Overview

10.10.5 Murata Recent Developments

10.11 JCET

10.11.1 JCET Basic Information

10.11.2 JCET LED Overvoltage Protection Device Product Overview

10.11.3 JCET LED Overvoltage Protection Device Product Market Performance

10.11.4 JCET Business Overview

10.11.5 JCET Recent Developments

11 LED OVERVOLTAGE PROTECTION DEVICE MARKET FORECAST BY REGION

11.1 Global LED Overvoltage Protection Device Market Size Forecast

11.2 Global LED Overvoltage Protection Device Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe LED Overvoltage Protection Device Market Size Forecast by Country

11.2.3 Asia Pacific LED Overvoltage Protection Device Market Size Forecast by Region

11.2.4 South America LED Overvoltage Protection Device Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of LED Overvoltage Protection Device by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global LED Overvoltage Protection Device Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of LED Overvoltage Protection Device by Type (2026-2035)

12.1.2 Global LED Overvoltage Protection Device Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of LED Overvoltage Protection Device by Type (2026-2035)

12.2 Global LED Overvoltage Protection Device Market Forecast by Application (2026-2035)

12.2.1 Global LED Overvoltage Protection Device Sales (K Units) Forecast by Application

12.2.2 Global LED Overvoltage Protection Device Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global LED Overvoltage Protection Device Market Size by Type (M USD)

Table 4. Global LED Overvoltage Protection Device Market Size by Application

Table 5. LED Overvoltage Protection Device Market Size Comparison by Region (M USD)

Table 6. Global LED Overvoltage Protection Device Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global LED Overvoltage Protection Device Sales Market Share by Manufacturers (2020-2025)

Table 8. Global LED Overvoltage Protection Device Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global LED Overvoltage Protection Device Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in LED Overvoltage Protection Device as of 2025)

Table 11. Global Market LED Overvoltage Protection Device Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global LED Overvoltage Protection Device Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. LED Overvoltage Protection Device Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global LED Overvoltage Protection Device Sales by Type (K Units)

Table 27. Global LED Overvoltage Protection Device Market Size by Type (M USD)

Table 28. Global LED Overvoltage Protection Device Sales (K Units) by Type (2020-2025)

Table 29. Global LED Overvoltage Protection Device Sales Market Share by Type (2020-2025)

Table 30. Global LED Overvoltage Protection Device Market Size (M USD) by Type (2020-2025)

Table 31. Global LED Overvoltage Protection Device Market Share by Type (2020-2025)

Table 32. Global LED Overvoltage Protection Device Price (USD/Unit) by Type (2020-2025)

Table 33. Global LED Overvoltage Protection Device Sales (K Units) by Application

Table 34. Global LED Overvoltage Protection Device Market Size by Application

Table 35. Global LED Overvoltage Protection Device Sales by Application (2020-2025) & (K Units)

Table 36. Global LED Overvoltage Protection Device Sales Market Share by Application (2020-2025)

Table 37. Global LED Overvoltage Protection Device Market Size by Application (2020-2025) & (M USD)

Table 38. Global LED Overvoltage Protection Device Market Share by Application (2020-2025)

Table 39. Global LED Overvoltage Protection Device Sales Growth Rate by Application (2020-2025)

Table 40. Global LED Overvoltage Protection Device Sales by Region (2020-2025) & (K Units)

Table 41. Global LED Overvoltage Protection Device Sales Market Share by Region (2020-2025)

Table 42. Global LED Overvoltage Protection Device Market Size by Region (2020-2025) & (M USD)

Table 43. Global LED Overvoltage Protection Device Market Size by Region (2020-2025)

Table 44. North America LED Overvoltage Protection Device Sales by Country (2020-2025) & (K Units)

Table 45. North America LED Overvoltage Protection Device Market Size by Country (2020-2025) & (M USD)

Table 46. Europe LED Overvoltage Protection Device Sales by Country (2020-2025) & (K Units)

Table 47. Europe LED Overvoltage Protection Device Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific LED Overvoltage Protection Device Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific LED Overvoltage Protection Device Market Size by Region (2020-2025) & (M USD)

Table 50. South America LED Overvoltage Protection Device Sales by Country (2020-2025) & (K Units)

Table 51. South America LED Overvoltage Protection Device Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa LED Overvoltage Protection Device Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa LED Overvoltage Protection Device Market Size by Region (2020-2025) & (M USD)

Table 54. Global LED Overvoltage Protection Device Production (K Units) by Region(2020-2025)

Table 55. Global LED Overvoltage Protection Device Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global LED Overvoltage Protection Device Revenue Market Share by Region (2020-2025)

Table 57. Global LED Overvoltage Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America LED Overvoltage Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe LED Overvoltage Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan LED Overvoltage Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China LED Overvoltage Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. Bourns Basic Information

Table 63. Bourns LED Overvoltage Protection Device Product Overview

Table 64. Bourns LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. Bourns Business Overview

Table 66. Bourns SWOT Analysis

Table 67. Bourns Recent Developments

Table 68. Littelfuse Basic Information

Table 69. Littelfuse LED Overvoltage Protection Device Product Overview

Table 70. Littelfuse LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

- Table 71. Littelfuse Business Overview
- Table 72. Littelfuse SWOT Analysis
- Table 73. Littelfuse Recent Developments
- Table 74. Eaton Basic Information
- Table 75. Eaton LED Overvoltage Protection Device Product Overview
- Table 76. Eaton LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 77. Eaton Business Overview
- Table 78. Eaton SWOT Analysis
- Table 79. Eaton Recent Developments
- Table 80. ON Semiconductor Basic Information
- Table 81. ON Semiconductor LED Overvoltage Protection Device Product Overview
- Table 82. ON Semiconductor LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 83. ON Semiconductor Business Overview
- Table 84. ON Semiconductor Recent Developments
- Table 85. STMicroelectronics Basic Information
- Table 86. STMicroelectronics LED Overvoltage Protection Device Product Overview
- Table 87. STMicroelectronics LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. STMicroelectronics Business Overview
- Table 89. STMicroelectronics Recent Developments
- Table 90. Infineon Technologies Basic Information
- Table 91. Infineon Technologies LED Overvoltage Protection Device Product Overview
- Table 92. Infineon Technologies LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. Infineon Technologies Business Overview
- Table 94. Infineon Technologies Recent Developments
- Table 95. Analog Devices Basic Information
- Table 96. Analog Devices LED Overvoltage Protection Device Product Overview
- Table 97. Analog Devices LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 98. Analog Devices Business Overview
- Table 99. Analog Devices Recent Developments
- Table 100. OSRAM Basic Information
- Table 101. OSRAM LED Overvoltage Protection Device Product Overview
- Table 102. OSRAM LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 103. OSRAM Business Overview

- Table 104. OSRAM Recent Developments
- Table 105. TI Basic Information
- Table 106. TI LED Overvoltage Protection Device Product Overview
- Table 107. TI LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 108. TI Business Overview
- Table 109. TI Recent Developments
- Table 110. Murata Basic Information
- Table 111. Murata LED Overvoltage Protection Device Product Overview
- Table 112. Murata LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 113. Murata Business Overview
- Table 114. Murata Recent Developments
- Table 115. JCET Basic Information
- Table 116. JCET LED Overvoltage Protection Device Product Overview
- Table 117. JCET LED Overvoltage Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 118. JCET Business Overview
- Table 119. JCET Recent Developments
- Table 120. Global LED Overvoltage Protection Device Sales Forecast by Region (2026-2035) & (K Units)
- Table 121. Global LED Overvoltage Protection Device Market Size Forecast by Region (2026-2035) & (M USD)
- Table 122. North America LED Overvoltage Protection Device Sales Forecast by Country (2026-2035) & (K Units)
- Table 123. North America LED Overvoltage Protection Device Market Size Forecast by Country (2026-2035) & (M USD)
- Table 124. Europe LED Overvoltage Protection Device Sales Forecast by Country (2026-2035) & (K Units)
- Table 125. Europe LED Overvoltage Protection Device Market Size Forecast by Country (2026-2035) & (M USD)
- Table 126. Asia Pacific LED Overvoltage Protection Device Sales Forecast by Region (2026-2035) & (K Units)
- Table 127. Asia Pacific LED Overvoltage Protection Device Market Size Forecast by Region (2026-2035) & (M USD)
- Table 128. South America LED Overvoltage Protection Device Sales Forecast by Country (2026-2035) & (K Units)
- Table 129. South America LED Overvoltage Protection Device Market Size Forecast by Country (2026-2035) & (M USD)

Table 130. Middle East and Africa LED Overvoltage Protection Device Sales Forecast by Country (2026-2035) & (Units)

Table 131. Middle East and Africa LED Overvoltage Protection Device Market Size Forecast by Country (2026-2035) & (M USD)

Table 132. Global LED Overvoltage Protection Device Sales Forecast by Type (2026-2035) & (K Units)

Table 133. Global LED Overvoltage Protection Device Market Size Forecast by Type (2026-2035) & (M USD)

Table 134. Global LED Overvoltage Protection Device Price Forecast by Type (2026-2035) & (USD/Unit)

Table 135. Global LED Overvoltage Protection Device Sales (K Units) Forecast by Application (2026-2035)

Table 136. Global LED Overvoltage Protection Device Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of LED Overvoltage Protection Device
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global LED Overvoltage Protection Device Market Size (M USD), 2025-2035
- Figure 5. Global LED Overvoltage Protection Device Market Size (M USD) (2020-2035)
- Figure 6. Global LED Overvoltage Protection Device Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. LED Overvoltage Protection Device Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global LED Overvoltage Protection Device Product Life Cycle
- Figure 13. LED Overvoltage Protection Device Sales Share by Manufacturers in 2025
- Figure 14. Global LED Overvoltage Protection Device Revenue Share by Manufacturers in 2025
- Figure 15. LED Overvoltage Protection Device Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market LED Overvoltage Protection Device Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by LED Overvoltage Protection Device Revenue in 2025
- Figure 18. Industry Chain Map of LED Overvoltage Protection Device
- Figure 19. Global LED Overvoltage Protection Device Market PEST Analysis
- Figure 20. Global LED Overvoltage Protection Device Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global LED Overvoltage Protection Device Market Share by Type
- Figure 27. Sales Market Share of LED Overvoltage Protection Device by Type (2020-2025)
- Figure 28. Sales Market Share of LED Overvoltage Protection Device by Type in 2025
- Figure 29. Market Share of LED Overvoltage Protection Device by Type (2020-2025)

- Figure 30. Market Share of LED Overvoltage Protection Device by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global LED Overvoltage Protection Device Market Share by Application
- Figure 33. Global LED Overvoltage Protection Device Sales Market Share by Application (2020-2025)
- Figure 34. Global LED Overvoltage Protection Device Sales Market Share by Application in 2025
- Figure 35. Global LED Overvoltage Protection Device Market Share by Application (2020-2025)
- Figure 36. Global LED Overvoltage Protection Device Market Share by Application in 2025
- Figure 37. Global LED Overvoltage Protection Device Sales Growth Rate by Application (2020-2025)
- Figure 38. Global LED Overvoltage Protection Device Sales Market Share by Region (2020-2025)
- Figure 39. Global LED Overvoltage Protection Device Market Size by Region (2020-2025)
- Figure 40. North America LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America LED Overvoltage Protection Device Sales Market Share by Country in 2024
- Figure 43. North America LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America LED Overvoltage Protection Device Market Size by Country in 2024
- Figure 45. U.S. LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada LED Overvoltage Protection Device Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada LED Overvoltage Protection Device Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico LED Overvoltage Protection Device Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico LED Overvoltage Protection Device Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe LED Overvoltage Protection Device Sales Market Share by Country in 2024

Figure 53. Europe LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe LED Overvoltage Protection Device Market Size by Country in 2024

Figure 55. Germany LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific LED Overvoltage Protection Device Sales and Growth Rate (K Units)

Figure 66. Asia Pacific LED Overvoltage Protection Device Sales Market Share by Region in 2024

Figure 67. Asia Pacific LED Overvoltage Protection Device Market Size by Region in 2024

Figure 68. China LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America LED Overvoltage Protection Device Sales and Growth Rate (K Units)

Figure 79. South America LED Overvoltage Protection Device Sales Market Share by Country in 2024

Figure 80. South America LED Overvoltage Protection Device Market Size and Growth Rate (M USD)

Figure 81. South America LED Overvoltage Protection Device Market Size by Country in 2024

Figure 82. Brazil LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa LED Overvoltage Protection Device Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa LED Overvoltage Protection Device Sales Market Share by Region in 2024

Figure 90. Middle East and Africa LED Overvoltage Protection Device Market Size and

Growth Rate (M USD)

Figure 91. Middle East and Africa LED Overvoltage Protection Device Market Size by Region in 2024

Figure 92. Saudi Arabia LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa LED Overvoltage Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa LED Overvoltage Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global LED Overvoltage Protection Device Production Market Share by Region (2020-2025)

Figure 103. North America LED Overvoltage Protection Device Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe LED Overvoltage Protection Device Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan LED Overvoltage Protection Device Production (K Units) Growth Rate (2020-2025)

Figure 106. China LED Overvoltage Protection Device Production (K Units) Growth Rate (2020-2025)

Figure 107. Global LED Overvoltage Protection Device Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global LED Overvoltage Protection Device Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global LED Overvoltage Protection Device Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global LED Overvoltage Protection Device Market Share Forecast by Type (2026-2035)

Figure 111. Global LED Overvoltage Protection Device Sales Forecast by Application (2026-2035)

Figure 112. Global LED Overvoltage Protection Device Market Share Forecast by Application (2026-2035)

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