

# Global SiC MOSFET and SiC SBD Market Research Report 2024(Status and Outlook)

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# **Abstracts**

Report Overview:

This report studies the SiC MOSFET and SiC SBD (Schottky Barrier Diode).

The Global SiC MOSFET and SiC SBD Market Size was estimated at USD 1257.62 million in 2023 and is projected to reach USD 3111.92 million by 2029, exhibiting a CAGR of 16.30% during the forecast period.

This report provides a deep insight into the global SiC MOSFET and SiC SBD market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global SiC MOSFET and SiC SBD Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the SiC MOSFET and SiC SBD market in any manner.



Global SiC MOSFET and SiC SBD Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

| Key Company                |
|----------------------------|
| Infineon Technologies      |
| ROHM Semiconductor         |
| Wolfspeed                  |
| Mitsubishi Electric        |
| Toshiba                    |
| STMicroelectronics         |
| GeneSiC Semiconductor Inc. |
| onsemi                     |
| Microchip Technology       |
| Littelfuse (IXYS)          |
| Fuji Electric              |
| Bosch                      |
| Semikron Danfoss           |

GeneSiC Semiconductor Inc.



| Nexperia (Wingtech)                      |
|--|
| Solitron Devices, Inc.                   |
| Cissoid                                  |
| Hitachi Energy                           |
| Coherent Corp (II-VI)                    |
| Toshiba                                  |
| Diodes Incorporated                      |
| Vishay Intertechnology                   |
| StarPower Semiconductor                  |
| Zhuzhou CRRC Times Electric              |
| WeEn Semiconductors                      |
| Shenzhen BASiC Semiconductor             |
| China Resources Microelectronics Limited |
| Hangzhou Silan Microelectronics          |
| Yangzhou Yangjie Electronic Technology   |
| NCEPOWER                                 |
| Central Semiconductor Corp.              |
| Shindengen                               |
| Market Segmentation (by Type)            |



| SIC MOSFET  |
|---|
| SiC SBD   |
| Market Segmentation (by Application)  |
| Electric Vehicle  |
| Rail Traffic  |
| Energy & Power Grid   |
| Industrial  |
| UPS   |
| Consumer  |
| Telecommunications  |
| Avionics, Military and Medical  |
| Others  |
| 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 SiC MOSFET and SiC SBD Market

Overview of the regional outlook of the SiC MOSFET and SiC SBD Market:

# 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 (USD Billion) 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

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Note: this report may need to undergo a final check or review and this could take about 48 hours.

#### 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 SiC MOSFET and SiC SBD 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 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 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.



Chapter 12 is the main points and conclusions of the report.



# **Contents**

#### 1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of SiC MOSFET and SiC SBD
- 1.2 Key Market Segments
  - 1.2.1 SiC MOSFET and SiC SBD Segment by Type
  - 1.2.2 SiC MOSFET and SiC SBD 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 SIC MOSFET AND SIC SBD MARKET OVERVIEW

- 2.1 Global Market Overview
- 2.1.1 Global SiC MOSFET and SiC SBD Market Size (M USD) Estimates and Forecasts (2019-2030)
  - 2.1.2 Global SiC MOSFET and SiC SBD Sales Estimates and Forecasts (2019-2030)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

#### 3 SIC MOSFET AND SIC SBD MARKET COMPETITIVE LANDSCAPE

- 3.1 Global SiC MOSFET and SiC SBD Sales by Manufacturers (2019-2024)
- 3.2 Global SiC MOSFET and SiC SBD Revenue Market Share by Manufacturers (2019-2024)
- 3.3 SiC MOSFET and SiC SBD Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global SiC MOSFET and SiC SBD Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers SiC MOSFET and SiC SBD Sales Sites, Area Served, Product Type
- 3.6 SiC MOSFET and SiC SBD Market Competitive Situation and Trends
  - 3.6.1 SiC MOSFET and SiC SBD Market Concentration Rate
- 3.6.2 Global 5 and 10 Largest SiC MOSFET and SiC SBD Players Market Share by Revenue
  - 3.6.3 Mergers & Acquisitions, Expansion



#### 4 SIC MOSFET AND SIC SBD INDUSTRY CHAIN ANALYSIS

- 4.1 SiC MOSFET and SiC SBD 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 SIC MOSFET AND SIC SBD MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
  - 5.5.1 New Product Developments
  - 5.5.2 Mergers & Acquisitions
  - 5.5.3 Expansions
  - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

#### 6 SIC MOSFET AND SIC SBD MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global SiC MOSFET and SiC SBD Sales Market Share by Type (2019-2024)
- 6.3 Global SiC MOSFET and SiC SBD Market Size Market Share by Type (2019-2024)
- 6.4 Global SiC MOSFET and SiC SBD Price by Type (2019-2024)

#### 7 SIC MOSFET AND SIC SBD MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global SiC MOSFET and SiC SBD Market Sales by Application (2019-2024)
- 7.3 Global SiC MOSFET and SiC SBD Market Size (M USD) by Application (2019-2024)
- 7.4 Global SiC MOSFET and SiC SBD Sales Growth Rate by Application (2019-2024)

#### 8 SIC MOSFET AND SIC SBD MARKET SEGMENTATION BY REGION

- 8.1 Global SiC MOSFET and SiC SBD Sales by Region
  - 8.1.1 Global SiC MOSFET and SiC SBD Sales by Region



- 8.1.2 Global SiC MOSFET and SiC SBD Sales Market Share by Region
- 8.2 North America
  - 8.2.1 North America SiC MOSFET and SiC SBD Sales by Country
  - 8.2.2 U.S.
  - 8.2.3 Canada
  - 8.2.4 Mexico
- 8.3 Europe
  - 8.3.1 Europe SiC MOSFET and SiC SBD Sales by Country
  - 8.3.2 Germany
  - 8.3.3 France
  - 8.3.4 U.K.
  - 8.3.5 Italy
  - 8.3.6 Russia
- 8.4 Asia Pacific
  - 8.4.1 Asia Pacific SiC MOSFET and SiC SBD Sales by Region
  - 8.4.2 China
  - 8.4.3 Japan
  - 8.4.4 South Korea
  - 8.4.5 India
  - 8.4.6 Southeast Asia
- 8.5 South America
  - 8.5.1 South America SiC MOSFET and SiC SBD Sales by Country
  - 8.5.2 Brazil
  - 8.5.3 Argentina
  - 8.5.4 Columbia
- 8.6 Middle East and Africa
  - 8.6.1 Middle East and Africa SiC MOSFET and SiC SBD Sales by Region
  - 8.6.2 Saudi Arabia
  - 8.6.3 UAE
  - 8.6.4 Egypt
  - 8.6.5 Nigeria
  - 8.6.6 South Africa

#### 9 KEY COMPANIES PROFILE

- 9.1 Infineon Technologies
  - 9.1.1 Infineon Technologies SiC MOSFET and SiC SBD Basic Information
  - 9.1.2 Infineon Technologies SiC MOSFET and SiC SBD Product Overview
  - 9.1.3 Infineon Technologies SiC MOSFET and SiC SBD Product Market Performance



- 9.1.4 Infineon Technologies Business Overview
- 9.1.5 Infineon Technologies SiC MOSFET and SiC SBD SWOT Analysis
- 9.1.6 Infineon Technologies Recent Developments
- 9.2 ROHM Semiconductor
  - 9.2.1 ROHM Semiconductor SiC MOSFET and SiC SBD Basic Information
  - 9.2.2 ROHM Semiconductor SiC MOSFET and SiC SBD Product Overview
  - 9.2.3 ROHM Semiconductor SiC MOSFET and SiC SBD Product Market Performance
  - 9.2.4 ROHM Semiconductor Business Overview
  - 9.2.5 ROHM Semiconductor SiC MOSFET and SiC SBD SWOT Analysis
  - 9.2.6 ROHM Semiconductor Recent Developments
- 9.3 Wolfspeed
  - 9.3.1 Wolfspeed SiC MOSFET and SiC SBD Basic Information
  - 9.3.2 Wolfspeed SiC MOSFET and SiC SBD Product Overview
  - 9.3.3 Wolfspeed SiC MOSFET and SiC SBD Product Market Performance
  - 9.3.4 Wolfspeed SiC MOSFET and SiC SBD SWOT Analysis
  - 9.3.5 Wolfspeed Business Overview
  - 9.3.6 Wolfspeed Recent Developments
- 9.4 Mitsubishi Electric
  - 9.4.1 Mitsubishi Electric SiC MOSFET and SiC SBD Basic Information
  - 9.4.2 Mitsubishi Electric SiC MOSFET and SiC SBD Product Overview
  - 9.4.3 Mitsubishi Electric SiC MOSFET and SiC SBD Product Market Performance
  - 9.4.4 Mitsubishi Electric Business Overview
  - 9.4.5 Mitsubishi Electric Recent Developments
- 9.5 Toshiba
  - 9.5.1 Toshiba SiC MOSFET and SiC SBD Basic Information
  - 9.5.2 Toshiba SiC MOSFET and SiC SBD Product Overview
  - 9.5.3 Toshiba SiC MOSFET and SiC SBD Product Market Performance
  - 9.5.4 Toshiba Business Overview
  - 9.5.5 Toshiba Recent Developments
- 9.6 STMicroelectronics
  - 9.6.1 STMicroelectronics SiC MOSFET and SiC SBD Basic Information
  - 9.6.2 STMicroelectronics SiC MOSFET and SiC SBD Product Overview
  - 9.6.3 STMicroelectronics SiC MOSFET and SiC SBD Product Market Performance
  - 9.6.4 STMicroelectronics Business Overview
  - 9.6.5 STMicroelectronics Recent Developments
- 9.7 GeneSiC Semiconductor Inc.
- 9.7.1 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Basic Information
- 9.7.2 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product Overview
- 9.7.3 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product Market



#### Performance

- 9.7.4 GeneSiC Semiconductor Inc. Business Overview
- 9.7.5 GeneSiC Semiconductor Inc. Recent Developments

#### 9.8 onsemi

- 9.8.1 onsemi SiC MOSFET and SiC SBD Basic Information
- 9.8.2 onsemi SiC MOSFET and SiC SBD Product Overview
- 9.8.3 onsemi SiC MOSFET and SiC SBD Product Market Performance
- 9.8.4 onsemi Business Overview
- 9.8.5 onsemi Recent Developments
- 9.9 Microchip Technology
  - 9.9.1 Microchip Technology SiC MOSFET and SiC SBD Basic Information
  - 9.9.2 Microchip Technology SiC MOSFET and SiC SBD Product Overview
  - 9.9.3 Microchip Technology SiC MOSFET and SiC SBD Product Market Performance
  - 9.9.4 Microchip Technology Business Overview
- 9.9.5 Microchip Technology Recent Developments
- 9.10 Littelfuse (IXYS)
  - 9.10.1 Littelfuse (IXYS) SiC MOSFET and SiC SBD Basic Information
  - 9.10.2 Littelfuse (IXYS) SiC MOSFET and SiC SBD Product Overview
  - 9.10.3 Littelfuse (IXYS) SiC MOSFET and SiC SBD Product Market Performance
  - 9.10.4 Littelfuse (IXYS) Business Overview
  - 9.10.5 Littelfuse (IXYS) Recent Developments
- 9.11 Fuji Electric
  - 9.11.1 Fuji Electric SiC MOSFET and SiC SBD Basic Information
  - 9.11.2 Fuji Electric SiC MOSFET and SiC SBD Product Overview
  - 9.11.3 Fuji Electric SiC MOSFET and SiC SBD Product Market Performance
  - 9.11.4 Fuji Electric Business Overview
  - 9.11.5 Fuji Electric Recent Developments
- 9.12 Bosch
  - 9.12.1 Bosch SiC MOSFET and SiC SBD Basic Information
  - 9.12.2 Bosch SiC MOSFET and SiC SBD Product Overview
  - 9.12.3 Bosch SiC MOSFET and SiC SBD Product Market Performance
  - 9.12.4 Bosch Business Overview
  - 9.12.5 Bosch Recent Developments
- 9.13 Semikron Danfoss
- 9.13.1 Semikron Danfoss SiC MOSFET and SiC SBD Basic Information
- 9.13.2 Semikron Danfoss SiC MOSFET and SiC SBD Product Overview
- 9.13.3 Semikron Danfoss SiC MOSFET and SiC SBD Product Market Performance
- 9.13.4 Semikron Danfoss Business Overview
- 9.13.5 Semikron Danfoss Recent Developments



- 9.14 GeneSiC Semiconductor Inc.
  - 9.14.1 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Basic Information
  - 9.14.2 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product Overview
- 9.14.3 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product Market

#### Performance

- 9.14.4 GeneSiC Semiconductor Inc. Business Overview
- 9.14.5 GeneSiC Semiconductor Inc. Recent Developments
- 9.15 Nexperia (Wingtech)
  - 9.15.1 Nexperia (Wingtech) SiC MOSFET and SiC SBD Basic Information
  - 9.15.2 Nexperia (Wingtech) SiC MOSFET and SiC SBD Product Overview
  - 9.15.3 Nexperia (Wingtech) SiC MOSFET and SiC SBD Product Market Performance
  - 9.15.4 Nexperia (Wingtech) Business Overview
  - 9.15.5 Nexperia (Wingtech) Recent Developments
- 9.16 Solitron Devices, Inc.
  - 9.16.1 Solitron Devices, Inc. SiC MOSFET and SiC SBD Basic Information
  - 9.16.2 Solitron Devices, Inc. SiC MOSFET and SiC SBD Product Overview
  - 9.16.3 Solitron Devices, Inc. SiC MOSFET and SiC SBD Product Market Performance
  - 9.16.4 Solitron Devices, Inc. Business Overview
  - 9.16.5 Solitron Devices, Inc. Recent Developments
- 9.17 Cissoid
  - 9.17.1 Cissoid SiC MOSFET and SiC SBD Basic Information
  - 9.17.2 Cissoid SiC MOSFET and SiC SBD Product Overview
  - 9.17.3 Cissoid SiC MOSFET and SiC SBD Product Market Performance
  - 9.17.4 Cissoid Business Overview
  - 9.17.5 Cissoid Recent Developments
- 9.18 Hitachi Energy
- 9.18.1 Hitachi Energy SiC MOSFET and SiC SBD Basic Information
- 9.18.2 Hitachi Energy SiC MOSFET and SiC SBD Product Overview
- 9.18.3 Hitachi Energy SiC MOSFET and SiC SBD Product Market Performance
- 9.18.4 Hitachi Energy Business Overview
- 9.18.5 Hitachi Energy Recent Developments
- 9.19 Coherent Corp (II-VI)
  - 9.19.1 Coherent Corp (II-VI) SiC MOSFET and SiC SBD Basic Information
  - 9.19.2 Coherent Corp (II-VI) SiC MOSFET and SiC SBD Product Overview
  - 9.19.3 Coherent Corp (II-VI) SiC MOSFET and SiC SBD Product Market Performance
  - 9.19.4 Coherent Corp (II-VI) Business Overview
  - 9.19.5 Coherent Corp (II-VI) Recent Developments
- 9.20 Toshiba
- 9.20.1 Toshiba SiC MOSFET and SiC SBD Basic Information



- 9.20.2 Toshiba SiC MOSFET and SiC SBD Product Overview
- 9.20.3 Toshiba SiC MOSFET and SiC SBD Product Market Performance
- 9.20.4 Toshiba Business Overview
- 9.20.5 Toshiba Recent Developments
- 9.21 Diodes Incorporated
- 9.21.1 Diodes Incorporated SiC MOSFET and SiC SBD Basic Information
- 9.21.2 Diodes Incorporated SiC MOSFET and SiC SBD Product Overview
- 9.21.3 Diodes Incorporated SiC MOSFET and SiC SBD Product Market Performance
- 9.21.4 Diodes Incorporated Business Overview
- 9.21.5 Diodes Incorporated Recent Developments
- 9.22 Vishay Intertechnology
  - 9.22.1 Vishay Intertechnology SiC MOSFET and SiC SBD Basic Information
  - 9.22.2 Vishay Intertechnology SiC MOSFET and SiC SBD Product Overview
- 9.22.3 Vishay Intertechnology SiC MOSFET and SiC SBD Product Market

#### Performance

- 9.22.4 Vishay Intertechnology Business Overview
- 9.22.5 Vishay Intertechnology Recent Developments
- 9.23 StarPower Semiconductor
  - 9.23.1 StarPower Semiconductor SiC MOSFET and SiC SBD Basic Information
  - 9.23.2 StarPower Semiconductor SiC MOSFET and SiC SBD Product Overview
- 9.23.3 StarPower Semiconductor SiC MOSFET and SiC SBD Product Market

#### Performance

- 9.23.4 StarPower Semiconductor Business Overview
- 9.23.5 StarPower Semiconductor Recent Developments
- 9.24 Zhuzhou CRRC Times Electric
  - 9.24.1 Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Basic Information
  - 9.24.2 Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Product Overview
  - 9.24.3 Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Product Market

#### Performance

- 9.24.4 Zhuzhou CRRC Times Electric Business Overview
- 9.24.5 Zhuzhou CRRC Times Electric Recent Developments
- 9.25 WeEn Semiconductors
  - 9.25.1 WeEn Semiconductors SiC MOSFET and SiC SBD Basic Information
  - 9.25.2 WeEn Semiconductors SiC MOSFET and SiC SBD Product Overview
  - 9.25.3 WeEn Semiconductors SiC MOSFET and SiC SBD Product Market

#### Performance

- 9.25.4 WeEn Semiconductors Business Overview
- 9.25.5 WeEn Semiconductors Recent Developments
- 9.26 Shenzhen BASiC Semiconductor



- 9.26.1 Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Basic Information
- 9.26.2 Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Product Overview
- 9.26.3 Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Product Market Performance
- 9.26.4 Shenzhen BASiC Semiconductor Business Overview
- 9.26.5 Shenzhen BASiC Semiconductor Recent Developments
- 9.27 China Resources Microelectronics Limited
- 9.27.1 China Resources Microelectronics Limited SiC MOSFET and SiC SBD Basic Information
- 9.27.2 China Resources Microelectronics Limited SiC MOSFET and SiC SBD Product Overview
- 9.27.3 China Resources Microelectronics Limited SiC MOSFET and SiC SBD Product Market Performance
  - 9.27.4 China Resources Microelectronics Limited Business Overview
  - 9.27.5 China Resources Microelectronics Limited Recent Developments
- 9.28 Hangzhou Silan Microelectronics
  - 9.28.1 Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Basic Information
  - 9.28.2 Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Product Overview
- 9.28.3 Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Product Market Performance
- 9.28.4 Hangzhou Silan Microelectronics Business Overview
- 9.28.5 Hangzhou Silan Microelectronics Recent Developments
- 9.29 Yangzhou Yangjie Electronic Technology
- 9.29.1 Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Basic Information
- 9.29.2 Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Product Overview
- 9.29.3 Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Product Market Performance
  - 9.29.4 Yangzhou Yangjie Electronic Technology Business Overview
- 9.29.5 Yangzhou Yangjie Electronic Technology Recent Developments
- 9.30 NCEPOWER
- 9.30.1 NCEPOWER SiC MOSFET and SiC SBD Basic Information
- 9.30.2 NCEPOWER SiC MOSFET and SiC SBD Product Overview
- 9.30.3 NCEPOWER SiC MOSFET and SiC SBD Product Market Performance
- 9.30.4 NCEPOWER Business Overview
- 9.30.5 NCEPOWER Recent Developments

#### 10 SIC MOSFET AND SIC SBD MARKET FORECAST BY REGION



- 10.1 Global SiC MOSFET and SiC SBD Market Size Forecast
- 10.2 Global SiC MOSFET and SiC SBD Market Forecast by Region
  - 10.2.1 North America Market Size Forecast by Country
  - 10.2.2 Europe SiC MOSFET and SiC SBD Market Size Forecast by Country
  - 10.2.3 Asia Pacific SiC MOSFET and SiC SBD Market Size Forecast by Region
  - 10.2.4 South America SiC MOSFET and SiC SBD Market Size Forecast by Country
- 10.2.5 Middle East and Africa Forecasted Consumption of SiC MOSFET and SiC SBD by Country

## 11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)

- 11.1 Global SiC MOSFET and SiC SBD Market Forecast by Type (2025-2030)
- 11.1.1 Global Forecasted Sales of SiC MOSFET and SiC SBD by Type (2025-2030)
- 11.1.2 Global SiC MOSFET and SiC SBD Market Size Forecast by Type (2025-2030)
- 11.1.3 Global Forecasted Price of SiC MOSFET and SiC SBD by Type (2025-2030)
- 11.2 Global SiC MOSFET and SiC SBD Market Forecast by Application (2025-2030)
  - 11.2.1 Global SiC MOSFET and SiC SBD Sales (K Units) Forecast by Application
- 11.2.2 Global SiC MOSFET and SiC SBD Market Size (M USD) Forecast by Application (2025-2030)

#### 12 CONCLUSION AND KEY FINDINGS



# **List Of Tables**

#### LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. SiC MOSFET and SiC SBD Market Size Comparison by Region (M USD)
- Table 5. Global SiC MOSFET and SiC SBD Sales (K Units) by Manufacturers (2019-2024)
- Table 6. Global SiC MOSFET and SiC SBD Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global SiC MOSFET and SiC SBD Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global SiC MOSFET and SiC SBD Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in SiC MOSFET and SiC SBD as of 2022)
- Table 10. Global Market SiC MOSFET and SiC SBD Average Price (USD/Unit) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers SiC MOSFET and SiC SBD Sales Sites and Area Served
- Table 12. Manufacturers SiC MOSFET and SiC SBD Product Type
- Table 13. Global SiC MOSFET and SiC SBD Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of SiC MOSFET and SiC SBD
- 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. SiC MOSFET and SiC SBD Market Challenges
- Table 22. Global SiC MOSFET and SiC SBD Sales by Type (K Units)
- Table 23. Global SiC MOSFET and SiC SBD Market Size by Type (M USD)
- Table 24. Global SiC MOSFET and SiC SBD Sales (K Units) by Type (2019-2024)
- Table 25. Global SiC MOSFET and SiC SBD Sales Market Share by Type (2019-2024)
- Table 26. Global SiC MOSFET and SiC SBD Market Size (M USD) by Type (2019-2024)
- Table 27. Global SiC MOSFET and SiC SBD Market Size Share by Type (2019-2024)



- Table 28. Global SiC MOSFET and SiC SBD Price (USD/Unit) by Type (2019-2024)
- Table 29. Global SiC MOSFET and SiC SBD Sales (K Units) by Application
- Table 30. Global SiC MOSFET and SiC SBD Market Size by Application
- Table 31. Global SiC MOSFET and SiC SBD Sales by Application (2019-2024) & (K Units)
- Table 32. Global SiC MOSFET and SiC SBD Sales Market Share by Application (2019-2024)
- Table 33. Global SiC MOSFET and SiC SBD Sales by Application (2019-2024) & (M USD)
- Table 34. Global SiC MOSFET and SiC SBD Market Share by Application (2019-2024)
- Table 35. Global SiC MOSFET and SiC SBD Sales Growth Rate by Application (2019-2024)
- Table 36. Global SiC MOSFET and SiC SBD Sales by Region (2019-2024) & (K Units)
- Table 37. Global SiC MOSFET and SiC SBD Sales Market Share by Region (2019-2024)
- Table 38. North America SiC MOSFET and SiC SBD Sales by Country (2019-2024) & (K Units)
- Table 39. Europe SiC MOSFET and SiC SBD Sales by Country (2019-2024) & (K Units)
- Table 40. Asia Pacific SiC MOSFET and SiC SBD Sales by Region (2019-2024) & (K Units)
- Table 41. South America SiC MOSFET and SiC SBD Sales by Country (2019-2024) & (K Units)
- Table 42. Middle East and Africa SiC MOSFET and SiC SBD Sales by Region (2019-2024) & (K Units)
- Table 43. Infineon Technologies SiC MOSFET and SiC SBD Basic Information
- Table 44. Infineon Technologies SiC MOSFET and SiC SBD Product Overview
- Table 45. Infineon Technologies SiC MOSFET and SiC SBD Sales (K Units), Revenue
- (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 46. Infineon Technologies Business Overview
- Table 47. Infineon Technologies SiC MOSFET and SiC SBD SWOT Analysis
- Table 48. Infineon Technologies Recent Developments
- Table 49. ROHM Semiconductor SiC MOSFET and SiC SBD Basic Information
- Table 50. ROHM Semiconductor SiC MOSFET and SiC SBD Product Overview
- Table 51. ROHM Semiconductor SiC MOSFET and SiC SBD Sales (K Units), Revenue
- (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 52. ROHM Semiconductor Business Overview
- Table 53. ROHM Semiconductor SiC MOSFET and SiC SBD SWOT Analysis
- Table 54. ROHM Semiconductor Recent Developments
- Table 55. Wolfspeed SiC MOSFET and SiC SBD Basic Information



- Table 56. Wolfspeed SiC MOSFET and SiC SBD Product Overview
- Table 57. Wolfspeed SiC MOSFET and SiC SBD Sales (K Units), Revenue (M USD),
- Price (USD/Unit) and Gross Margin (2019-2024)
- Table 58. Wolfspeed SiC MOSFET and SiC SBD SWOT Analysis
- Table 59. Wolfspeed Business Overview
- Table 60. Wolfspeed Recent Developments
- Table 61. Mitsubishi Electric SiC MOSFET and SiC SBD Basic Information
- Table 62. Mitsubishi Electric SiC MOSFET and SiC SBD Product Overview
- Table 63. Mitsubishi Electric SiC MOSFET and SiC SBD Sales (K Units), Revenue (M
- USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 64. Mitsubishi Electric Business Overview
- Table 65. Mitsubishi Electric Recent Developments
- Table 66. Toshiba SiC MOSFET and SiC SBD Basic Information
- Table 67. Toshiba SiC MOSFET and SiC SBD Product Overview
- Table 68. Toshiba SiC MOSFET and SiC SBD Sales (K Units), Revenue (M USD),
- Price (USD/Unit) and Gross Margin (2019-2024)
- Table 69. Toshiba Business Overview
- Table 70. Toshiba Recent Developments
- Table 71. STMicroelectronics SiC MOSFET and SiC SBD Basic Information
- Table 72. STMicroelectronics SiC MOSFET and SiC SBD Product Overview
- Table 73. STMicroelectronics SiC MOSFET and SiC SBD Sales (K Units), Revenue (M
- USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 74. STMicroelectronics Business Overview
- Table 75. STMicroelectronics Recent Developments
- Table 76. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Basic Information
- Table 77. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product Overview
- Table 78. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Sales (K Units),
- Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 79. GeneSiC Semiconductor Inc. Business Overview
- Table 80. GeneSiC Semiconductor Inc. Recent Developments
- Table 81. onsemi SiC MOSFET and SiC SBD Basic Information
- Table 82. onsemi SiC MOSFET and SiC SBD Product Overview
- Table 83. onsemi SiC MOSFET and SiC SBD Sales (K Units), Revenue (M USD), Price
- (USD/Unit) and Gross Margin (2019-2024)
- Table 84. onsemi Business Overview
- Table 85. onsemi Recent Developments
- Table 86. Microchip Technology SiC MOSFET and SiC SBD Basic Information
- Table 87. Microchip Technology SiC MOSFET and SiC SBD Product Overview
- Table 88. Microchip Technology SiC MOSFET and SiC SBD Sales (K Units), Revenue



(M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 89. Microchip Technology Business Overview

Table 90. Microchip Technology Recent Developments

Table 91. Littelfuse (IXYS) SiC MOSFET and SiC SBD Basic Information

Table 92. Littelfuse (IXYS) SiC MOSFET and SiC SBD Product Overview

Table 93. Littelfuse (IXYS) SiC MOSFET and SiC SBD Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 94. Littelfuse (IXYS) Business Overview

Table 95. Littelfuse (IXYS) Recent Developments

Table 96. Fuji Electric SiC MOSFET and SiC SBD Basic Information

Table 97. Fuji Electric SiC MOSFET and SiC SBD Product Overview

Table 98. Fuji Electric SiC MOSFET and SiC SBD Sales (K Units), Revenue (M USD),

Price (USD/Unit) and Gross Margin (2019-2024)

Table 99. Fuji Electric Business Overview

Table 100. Fuji Electric Recent Developments

Table 101. Bosch SiC MOSFET and SiC SBD Basic Information

Table 102. Bosch SiC MOSFET and SiC SBD Product Overview

Table 103. Bosch SiC MOSFET and SiC SBD Sales (K Units), Revenue (M USD), Price

(USD/Unit) and Gross Margin (2019-2024)

Table 104. Bosch Business Overview

Table 105. Bosch Recent Developments

Table 106. Semikron Danfoss SiC MOSFET and SiC SBD Basic Information

Table 107. Semikron Danfoss SiC MOSFET and SiC SBD Product Overview

Table 108. Semikron Danfoss SiC MOSFET and SiC SBD Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 109. Semikron Danfoss Business Overview

Table 110. Semikron Danfoss Recent Developments

Table 111. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Basic Information

Table 112. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product Overview

Table 113. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Sales (K Units),

Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 114. GeneSiC Semiconductor Inc. Business Overview

Table 115. GeneSiC Semiconductor Inc. Recent Developments

Table 116. Nexperia (Wingtech) SiC MOSFET and SiC SBD Basic Information

Table 117. Nexperia (Wingtech) SiC MOSFET and SiC SBD Product Overview

Table 118. Nexperia (Wingtech) SiC MOSFET and SiC SBD Sales (K Units), Revenue

(M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 119. Nexperia (Wingtech) Business Overview

Table 120. Nexperia (Wingtech) Recent Developments



- Table 121. Solitron Devices, Inc. SiC MOSFET and SiC SBD Basic Information
- Table 122. Solitron Devices, Inc. SiC MOSFET and SiC SBD Product Overview
- Table 123. Solitron Devices, Inc. SiC MOSFET and SiC SBD Sales (K Units), Revenue
- (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 124. Solitron Devices, Inc. Business Overview
- Table 125. Solitron Devices, Inc. Recent Developments
- Table 126. Cissoid SiC MOSFET and SiC SBD Basic Information
- Table 127. Cissoid SiC MOSFET and SiC SBD Product Overview
- Table 128. Cissoid SiC MOSFET and SiC SBD Sales (K Units), Revenue (M USD),
- Price (USD/Unit) and Gross Margin (2019-2024)
- Table 129. Cissoid Business Overview
- Table 130. Cissoid Recent Developments
- Table 131. Hitachi Energy SiC MOSFET and SiC SBD Basic Information
- Table 132. Hitachi Energy SiC MOSFET and SiC SBD Product Overview
- Table 133. Hitachi Energy SiC MOSFET and SiC SBD Sales (K Units), Revenue (M
- USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 134. Hitachi Energy Business Overview
- Table 135. Hitachi Energy Recent Developments
- Table 136. Coherent Corp (II-VI) SiC MOSFET and SiC SBD Basic Information
- Table 137. Coherent Corp (II-VI) SiC MOSFET and SiC SBD Product Overview
- Table 138. Coherent Corp (II-VI) SiC MOSFET and SiC SBD Sales (K Units), Revenue
- (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 139. Coherent Corp (II-VI) Business Overview
- Table 140. Coherent Corp (II-VI) Recent Developments
- Table 141. Toshiba SiC MOSFET and SiC SBD Basic Information
- Table 142. Toshiba SiC MOSFET and SiC SBD Product Overview
- Table 143. Toshiba SiC MOSFET and SiC SBD Sales (K Units), Revenue (M USD),
- Price (USD/Unit) and Gross Margin (2019-2024)
- Table 144. Toshiba Business Overview
- Table 145. Toshiba Recent Developments
- Table 146. Diodes Incorporated SiC MOSFET and SiC SBD Basic Information
- Table 147. Diodes Incorporated SiC MOSFET and SiC SBD Product Overview
- Table 148. Diodes Incorporated SiC MOSFET and SiC SBD Sales (K Units), Revenue
- (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 149. Diodes Incorporated Business Overview
- Table 150. Diodes Incorporated Recent Developments
- Table 151. Vishay Intertechnology SiC MOSFET and SiC SBD Basic Information
- Table 152. Vishay Intertechnology SiC MOSFET and SiC SBD Product Overview
- Table 153. Vishay Intertechnology SiC MOSFET and SiC SBD Sales (K Units),



Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 154. Vishay Intertechnology Business Overview

Table 155. Vishay Intertechnology Recent Developments

Table 156. StarPower Semiconductor SiC MOSFET and SiC SBD Basic Information

Table 157. StarPower Semiconductor SiC MOSFET and SiC SBD Product Overview

Table 158. StarPower Semiconductor SiC MOSFET and SiC SBD Sales (K Units),

Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 159. StarPower Semiconductor Business Overview

Table 160. StarPower Semiconductor Recent Developments

Table 161. Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Basic Information

Table 162. Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Product Overview

Table 163. Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Sales (K Units),

Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 164. Zhuzhou CRRC Times Electric Business Overview

Table 165. Zhuzhou CRRC Times Electric Recent Developments

Table 166. WeEn Semiconductors SiC MOSFET and SiC SBD Basic Information

Table 167. WeEn Semiconductors SiC MOSFET and SiC SBD Product Overview

Table 168. WeEn Semiconductors SiC MOSFET and SiC SBD Sales (K Units),

Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 169. WeEn Semiconductors Business Overview

Table 170. WeEn Semiconductors Recent Developments

Table 171. Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Basic Information

Table 172. Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Product Overview

Table 173. Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Sales (K

Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 174. Shenzhen BASiC Semiconductor Business Overview

Table 175. Shenzhen BASiC Semiconductor Recent Developments

Table 176. China Resources Microelectronics Limited SiC MOSFET and SiC SBD Basic Information

Table 177. China Resources Microelectronics Limited SiC MOSFET and SiC SBD Product Overview

Table 178. China Resources Microelectronics Limited SiC MOSFET and SiC SBD Sales

(K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 179. China Resources Microelectronics Limited Business Overview

Table 180. China Resources Microelectronics Limited Recent Developments



Table 181. Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Basic Information

Table 182. Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Product Overview

Table 183. Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Sales (K

Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 184. Hangzhou Silan Microelectronics Business Overview

Table 185. Hangzhou Silan Microelectronics Recent Developments

Table 186. Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Basic Information

Table 187. Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Product Overview

Table 188. Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 189. Yangzhou Yangjie Electronic Technology Business Overview

Table 190. Yangzhou Yangjie Electronic Technology Recent Developments

Table 191. NCEPOWER SiC MOSFET and SiC SBD Basic Information

Table 192. NCEPOWER SiC MOSFET and SiC SBD Product Overview

Table 193. NCEPOWER SiC MOSFET and SiC SBD Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 194. NCEPOWER Business Overview

Table 195. NCEPOWER Recent Developments

Table 196. Global SiC MOSFET and SiC SBD Sales Forecast by Region (2025-2030) & (K Units)

Table 197. Global SiC MOSFET and SiC SBD Market Size Forecast by Region (2025-2030) & (M USD)

Table 198. North America SiC MOSFET and SiC SBD Sales Forecast by Country (2025-2030) & (K Units)

Table 199. North America SiC MOSFET and SiC SBD Market Size Forecast by Country (2025-2030) & (M USD)

Table 200. Europe SiC MOSFET and SiC SBD Sales Forecast by Country (2025-2030) & (K Units)

Table 201. Europe SiC MOSFET and SiC SBD Market Size Forecast by Country (2025-2030) & (M USD)

Table 202. Asia Pacific SiC MOSFET and SiC SBD Sales Forecast by Region (2025-2030) & (K Units)

Table 203. Asia Pacific SiC MOSFET and SiC SBD Market Size Forecast by Region (2025-2030) & (M USD)

Table 204. South America SiC MOSFET and SiC SBD Sales Forecast by Country



(2025-2030) & (K Units)

Table 205. South America SiC MOSFET and SiC SBD Market Size Forecast by Country (2025-2030) & (M USD)

Table 206. Middle East and Africa SiC MOSFET and SiC SBD Consumption Forecast by Country (2025-2030) & (Units)

Table 207. Middle East and Africa SiC MOSFET and SiC SBD Market Size Forecast by Country (2025-2030) & (M USD)

Table 208. Global SiC MOSFET and SiC SBD Sales Forecast by Type (2025-2030) & (K Units)

Table 209. Global SiC MOSFET and SiC SBD Market Size Forecast by Type (2025-2030) & (M USD)

Table 210. Global SiC MOSFET and SiC SBD Price Forecast by Type (2025-2030) & (USD/Unit)

Table 211. Global SiC MOSFET and SiC SBD Sales (K Units) Forecast by Application (2025-2030)

Table 212. Global SiC MOSFET and SiC SBD Market Size Forecast by Application (2025-2030) & (M USD)



# **List Of Figures**

#### LIST OF FIGURES

- Figure 1. Product Picture of SiC MOSFET and SiC SBD
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global SiC MOSFET and SiC SBD Market Size (M USD), 2019-2030
- Figure 5. Global SiC MOSFET and SiC SBD Market Size (M USD) (2019-2030)
- Figure 6. Global SiC MOSFET and SiC SBD Sales (K Units) & (2019-2030)
- 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. SiC MOSFET and SiC SBD Market Size by Country (M USD)
- Figure 11. SiC MOSFET and SiC SBD Sales Share by Manufacturers in 2023
- Figure 12. Global SiC MOSFET and SiC SBD Revenue Share by Manufacturers in 2023
- Figure 13. SiC MOSFET and SiC SBD Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market SiC MOSFET and SiC SBD Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by SiC MOSFET and SiC SBD Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global SiC MOSFET and SiC SBD Market Share by Type
- Figure 18. Sales Market Share of SiC MOSFET and SiC SBD by Type (2019-2024)
- Figure 19. Sales Market Share of SiC MOSFET and SiC SBD by Type in 2023
- Figure 20. Market Size Share of SiC MOSFET and SiC SBD by Type (2019-2024)
- Figure 21. Market Size Market Share of SiC MOSFET and SiC SBD by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global SiC MOSFET and SiC SBD Market Share by Application
- Figure 24. Global SiC MOSFET and SiC SBD Sales Market Share by Application (2019-2024)
- Figure 25. Global SiC MOSFET and SiC SBD Sales Market Share by Application in 2023
- Figure 26. Global SiC MOSFET and SiC SBD Market Share by Application (2019-2024)
- Figure 27. Global SiC MOSFET and SiC SBD Market Share by Application in 2023
- Figure 28. Global SiC MOSFET and SiC SBD Sales Growth Rate by Application (2019-2024)
- Figure 29. Global SiC MOSFET and SiC SBD Sales Market Share by Region



(2019-2024)

Figure 30. North America SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America SiC MOSFET and SiC SBD Sales Market Share by Country in 2023

Figure 32. U.S. SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada SiC MOSFET and SiC SBD Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico SiC MOSFET and SiC SBD Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe SiC MOSFET and SiC SBD Sales Market Share by Country in 2023

Figure 37. Germany SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific SiC MOSFET and SiC SBD Sales and Growth Rate (K Units)

Figure 43. Asia Pacific SiC MOSFET and SiC SBD Sales Market Share by Region in 2023

Figure 44. China SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America SiC MOSFET and SiC SBD Sales and Growth Rate (K Units)

Figure 50. South America SiC MOSFET and SiC SBD Sales Market Share by Country



in 2023

Figure 51. Brazil SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa SiC MOSFET and SiC SBD Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa SiC MOSFET and SiC SBD Sales Market Share by Region in 2023

Figure 56. Saudi Arabia SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa SiC MOSFET and SiC SBD Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global SiC MOSFET and SiC SBD Sales Forecast by Volume (2019-2030) & (K Units)

Figure 62. Global SiC MOSFET and SiC SBD Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global SiC MOSFET and SiC SBD Sales Market Share Forecast by Type (2025-2030)

Figure 64. Global SiC MOSFET and SiC SBD Market Share Forecast by Type (2025-2030)

Figure 65. Global SiC MOSFET and SiC SBD Sales Forecast by Application (2025-2030)

Figure 66. Global SiC MOSFET and SiC SBD Market Share Forecast by Application (2025-2030)



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