

Global SiC MOSFET and SiC SBD Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global SiC MOSFET and SiC SBD market size was valued at USD 1167.9 million in 2022 and is forecast to a readjusted size of USD 3221.6 million by 2029 with a CAGR of 15.6% during review period.

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

The Global Info Research report includes an overview of the development of the SiC MOSFET and SiC SBD industry chain, the market status of Electric Vehicle (SiC MOSFET, SiC SBD), Rail Traffic (SiC MOSFET, SiC SBD), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of SiC MOSFET and SiC SBD.

Regionally, the report analyzes the SiC MOSFET and SiC SBD markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global SiC MOSFET and SiC SBD market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

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

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., SiC MOSFET, SiC SBD).

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

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

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the SiC MOSFET and SiC SBD market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to SiC MOSFET and SiC SBD:

Company Analysis: Report covers individual SiC MOSFET and SiC SBD manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards SiC MOSFET and SiC SBD This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electric Vehicle, Rail Traffic).

Technology Analysis: Report covers specific technologies relevant to SiC MOSFET and SiC SBD. It assesses the current state, advancements, and potential future developments in SiC MOSFET and SiC SBD areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers,

the report present insights into the competitive landscape of the SiC MOSFET and SiC SBD market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

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

Market Segmentation

SiC MOSFET and SiC SBD market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

SiC MOSFET

SiC SBD

Market segment by Application

Electric Vehicle

Rail Traffic

Energy & Power Grid

Industrial

UPS

Consumer

Telecommunications

Avionics, Military and Medical

Others

Major players covered

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.

Cisoid

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 segment by region, regional analysis covers

North America (United States, Canada and Mexico)

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

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

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

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

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

Chapter 1, to describe SiC MOSFET and SiC SBD product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of SiC MOSFET and SiC SBD, with price, sales, revenue and global market share of SiC MOSFET and SiC SBD from 2018 to 2023.

Chapter 3, the SiC MOSFET and SiC SBD competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the SiC MOSFET and SiC SBD breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and SiC MOSFET and SiC SBD market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of SiC MOSFET and SiC SBD.

Chapter 14 and 15, to describe SiC MOSFET and SiC SBD sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of SiC MOSFET and SiC SBD
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global SiC MOSFET and SiC SBD Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 SiC MOSFET
 - 1.3.3 SiC SBD
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global SiC MOSFET and SiC SBD Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Electric Vehicle
 - 1.4.3 Rail Traffic
 - 1.4.4 Energy & Power Grid
 - 1.4.5 Industrial
 - 1.4.6 UPS
 - 1.4.7 Consumer
 - 1.4.8 Telecommunications
 - 1.4.9 Avionics, Military and Medical
 - 1.4.10 Others
- 1.5 Global SiC MOSFET and SiC SBD Market Size & Forecast
 - 1.5.1 Global SiC MOSFET and SiC SBD Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global SiC MOSFET and SiC SBD Sales Quantity (2018-2029)
 - 1.5.3 Global SiC MOSFET and SiC SBD Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 Infineon Technologies
 - 2.1.1 Infineon Technologies Details
 - 2.1.2 Infineon Technologies Major Business
 - 2.1.3 Infineon Technologies SiC MOSFET and SiC SBD Product and Services
 - 2.1.4 Infineon Technologies SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 Infineon Technologies Recent Developments/Updates
- 2.2 ROHM Semiconductor
 - 2.2.1 ROHM Semiconductor Details

- 2.2.2 ROHM Semiconductor Major Business
- 2.2.3 ROHM Semiconductor SiC MOSFET and SiC SBD Product and Services
- 2.2.4 ROHM Semiconductor SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.2.5 ROHM Semiconductor Recent Developments/Updates
- 2.3 Wolfspeed
 - 2.3.1 Wolfspeed Details
 - 2.3.2 Wolfspeed Major Business
 - 2.3.3 Wolfspeed SiC MOSFET and SiC SBD Product and Services
 - 2.3.4 Wolfspeed SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.3.5 Wolfspeed Recent Developments/Updates
- 2.4 Mitsubishi Electric
 - 2.4.1 Mitsubishi Electric Details
 - 2.4.2 Mitsubishi Electric Major Business
 - 2.4.3 Mitsubishi Electric SiC MOSFET and SiC SBD Product and Services
 - 2.4.4 Mitsubishi Electric SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Mitsubishi Electric Recent Developments/Updates
- 2.5 Toshiba
 - 2.5.1 Toshiba Details
 - 2.5.2 Toshiba Major Business
 - 2.5.3 Toshiba SiC MOSFET and SiC SBD Product and Services
 - 2.5.4 Toshiba SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 Toshiba Recent Developments/Updates
- 2.6 STMicroelectronics
 - 2.6.1 STMicroelectronics Details
 - 2.6.2 STMicroelectronics Major Business
 - 2.6.3 STMicroelectronics SiC MOSFET and SiC SBD Product and Services
 - 2.6.4 STMicroelectronics SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.6.5 STMicroelectronics Recent Developments/Updates
- 2.7 GeneSiC Semiconductor Inc.
 - 2.7.1 GeneSiC Semiconductor Inc. Details
 - 2.7.2 GeneSiC Semiconductor Inc. Major Business
 - 2.7.3 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product and Services
 - 2.7.4 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 GeneSiC Semiconductor Inc. Recent Developments/Updates

2.8 onsemi

2.8.1 onsemi Details

2.8.2 onsemi Major Business

2.8.3 onsemi SiC MOSFET and SiC SBD Product and Services

2.8.4 onsemi SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 onsemi Recent Developments/Updates

2.9 Microchip Technology

2.9.1 Microchip Technology Details

2.9.2 Microchip Technology Major Business

2.9.3 Microchip Technology SiC MOSFET and SiC SBD Product and Services

2.9.4 Microchip Technology SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 Microchip Technology Recent Developments/Updates

2.10 Littelfuse (IXYS)

2.10.1 Littelfuse (IXYS) Details

2.10.2 Littelfuse (IXYS) Major Business

2.10.3 Littelfuse (IXYS) SiC MOSFET and SiC SBD Product and Services

2.10.4 Littelfuse (IXYS) SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 Littelfuse (IXYS) Recent Developments/Updates

2.11 Fuji Electric

2.11.1 Fuji Electric Details

2.11.2 Fuji Electric Major Business

2.11.3 Fuji Electric SiC MOSFET and SiC SBD Product and Services

2.11.4 Fuji Electric SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 Fuji Electric Recent Developments/Updates

2.12 Bosch

2.12.1 Bosch Details

2.12.2 Bosch Major Business

2.12.3 Bosch SiC MOSFET and SiC SBD Product and Services

2.12.4 Bosch SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 Bosch Recent Developments/Updates

2.13 Semikron Danfoss

2.13.1 Semikron Danfoss Details

2.13.2 Semikron Danfoss Major Business

- 2.13.3 Semikron Danfoss SiC MOSFET and SiC SBD Product and Services
- 2.13.4 Semikron Danfoss SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.13.5 Semikron Danfoss Recent Developments/Updates
- 2.14 GeneSiC Semiconductor Inc.
 - 2.14.1 GeneSiC Semiconductor Inc. Details
 - 2.14.2 GeneSiC Semiconductor Inc. Major Business
 - 2.14.3 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product and Services
 - 2.14.4 GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.14.5 GeneSiC Semiconductor Inc. Recent Developments/Updates
- 2.15 Nexperia (Wingtech)
 - 2.15.1 Nexperia (Wingtech) Details
 - 2.15.2 Nexperia (Wingtech) Major Business
 - 2.15.3 Nexperia (Wingtech) SiC MOSFET and SiC SBD Product and Services
 - 2.15.4 Nexperia (Wingtech) SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.15.5 Nexperia (Wingtech) Recent Developments/Updates
- 2.16 Solitron Devices, Inc.
 - 2.16.1 Solitron Devices, Inc. Details
 - 2.16.2 Solitron Devices, Inc. Major Business
 - 2.16.3 Solitron Devices, Inc. SiC MOSFET and SiC SBD Product and Services
 - 2.16.4 Solitron Devices, Inc. SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.16.5 Solitron Devices, Inc. Recent Developments/Updates
- 2.17 Cissoid
 - 2.17.1 Cissoid Details
 - 2.17.2 Cissoid Major Business
 - 2.17.3 Cissoid SiC MOSFET and SiC SBD Product and Services
 - 2.17.4 Cissoid SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.17.5 Cissoid Recent Developments/Updates
- 2.18 Hitachi Energy
 - 2.18.1 Hitachi Energy Details
 - 2.18.2 Hitachi Energy Major Business
 - 2.18.3 Hitachi Energy SiC MOSFET and SiC SBD Product and Services
 - 2.18.4 Hitachi Energy SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.18.5 Hitachi Energy Recent Developments/Updates

2.19 Coherent Corp (II-VI)

2.19.1 Coherent Corp (II-VI) Details

2.19.2 Coherent Corp (II-VI) Major Business

2.19.3 Coherent Corp (II-VI) SiC MOSFET and SiC SBD Product and Services

2.19.4 Coherent Corp (II-VI) SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.19.5 Coherent Corp (II-VI) Recent Developments/Updates

2.20 Toshiba

2.20.1 Toshiba Details

2.20.2 Toshiba Major Business

2.20.3 Toshiba SiC MOSFET and SiC SBD Product and Services

2.20.4 Toshiba SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.20.5 Toshiba Recent Developments/Updates

2.21 Diodes Incorporated

2.21.1 Diodes Incorporated Details

2.21.2 Diodes Incorporated Major Business

2.21.3 Diodes Incorporated SiC MOSFET and SiC SBD Product and Services

2.21.4 Diodes Incorporated SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.21.5 Diodes Incorporated Recent Developments/Updates

2.22 Vishay Intertechnology

2.22.1 Vishay Intertechnology Details

2.22.2 Vishay Intertechnology Major Business

2.22.3 Vishay Intertechnology SiC MOSFET and SiC SBD Product and Services

2.22.4 Vishay Intertechnology SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.22.5 Vishay Intertechnology Recent Developments/Updates

2.23 StarPower Semiconductor

2.23.1 StarPower Semiconductor Details

2.23.2 StarPower Semiconductor Major Business

2.23.3 StarPower Semiconductor SiC MOSFET and SiC SBD Product and Services

2.23.4 StarPower Semiconductor SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.23.5 StarPower Semiconductor Recent Developments/Updates

2.24 Zhuzhou CRRC Times Electric

2.24.1 Zhuzhou CRRC Times Electric Details

2.24.2 Zhuzhou CRRC Times Electric Major Business

2.24.3 Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Product and

Services

2.24.4 Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.24.5 Zhuzhou CRRC Times Electric Recent Developments/Updates

2.25 WeEn Semiconductors

2.25.1 WeEn Semiconductors Details

2.25.2 WeEn Semiconductors Major Business

2.25.3 WeEn Semiconductors SiC MOSFET and SiC SBD Product and Services

2.25.4 WeEn Semiconductors SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.25.5 WeEn Semiconductors Recent Developments/Updates

2.26 Shenzhen BASiC Semiconductor

2.26.1 Shenzhen BASiC Semiconductor Details

2.26.2 Shenzhen BASiC Semiconductor Major Business

2.26.3 Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Product and

Services

2.26.4 Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.26.5 Shenzhen BASiC Semiconductor Recent Developments/Updates

2.27 China Resources Microelectronics Limited

2.27.1 China Resources Microelectronics Limited Details

2.27.2 China Resources Microelectronics Limited Major Business

2.27.3 China Resources Microelectronics Limited SiC MOSFET and SiC SBD Product and Services

2.27.4 China Resources Microelectronics Limited SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.27.5 China Resources Microelectronics Limited Recent Developments/Updates

2.28 Hangzhou Silan Microelectronics

2.28.1 Hangzhou Silan Microelectronics Details

2.28.2 Hangzhou Silan Microelectronics Major Business

2.28.3 Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Product and

Services

2.28.4 Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.28.5 Hangzhou Silan Microelectronics Recent Developments/Updates

2.29 Yangzhou Yangjie Electronic Technology

2.29.1 Yangzhou Yangjie Electronic Technology Details

2.29.2 Yangzhou Yangjie Electronic Technology Major Business

2.29.3 Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Product

and Services

2.29.4 Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.29.5 Yangzhou Yangjie Electronic Technology Recent Developments/Updates

2.30 NCEPOWER

2.30.1 NCEPOWER Details

2.30.2 NCEPOWER Major Business

2.30.3 NCEPOWER SiC MOSFET and SiC SBD Product and Services

2.30.4 NCEPOWER SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.30.5 NCEPOWER Recent Developments/Updates

2.31 Central Semiconductor Corp.

2.31.1 Central Semiconductor Corp. Details

2.31.2 Central Semiconductor Corp. Major Business

2.31.3 Central Semiconductor Corp. SiC MOSFET and SiC SBD Product and Services

2.31.4 Central Semiconductor Corp. SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.31.5 Central Semiconductor Corp. Recent Developments/Updates

2.32 Shindengen

2.32.1 Shindengen Details

2.32.2 Shindengen Major Business

2.32.3 Shindengen SiC MOSFET and SiC SBD Product and Services

2.32.4 Shindengen SiC MOSFET and SiC SBD Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.32.5 Shindengen Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SiC MOSFET AND SiC SBD BY MANUFACTURER

3.1 Global SiC MOSFET and SiC SBD Sales Quantity by Manufacturer (2018-2023)

3.2 Global SiC MOSFET and SiC SBD Revenue by Manufacturer (2018-2023)

3.3 Global SiC MOSFET and SiC SBD Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of SiC MOSFET and SiC SBD by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 SiC MOSFET and SiC SBD Manufacturer Market Share in 2022

3.4.2 Top 6 SiC MOSFET and SiC SBD Manufacturer Market Share in 2022

3.5 SiC MOSFET and SiC SBD Market: Overall Company Footprint Analysis

3.5.1 SiC MOSFET and SiC SBD Market: Region Footprint

- 3.5.2 SiC MOSFET and SiC SBD Market: Company Product Type Footprint
- 3.5.3 SiC MOSFET and SiC SBD Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global SiC MOSFET and SiC SBD Market Size by Region
 - 4.1.1 Global SiC MOSFET and SiC SBD Sales Quantity by Region (2018-2029)
 - 4.1.2 Global SiC MOSFET and SiC SBD Consumption Value by Region (2018-2029)
 - 4.1.3 Global SiC MOSFET and SiC SBD Average Price by Region (2018-2029)
- 4.2 North America SiC MOSFET and SiC SBD Consumption Value (2018-2029)
- 4.3 Europe SiC MOSFET and SiC SBD Consumption Value (2018-2029)
- 4.4 Asia-Pacific SiC MOSFET and SiC SBD Consumption Value (2018-2029)
- 4.5 South America SiC MOSFET and SiC SBD Consumption Value (2018-2029)
- 4.6 Middle East and Africa SiC MOSFET and SiC SBD Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2029)
- 5.2 Global SiC MOSFET and SiC SBD Consumption Value by Type (2018-2029)
- 5.3 Global SiC MOSFET and SiC SBD Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2029)
- 6.2 Global SiC MOSFET and SiC SBD Consumption Value by Application (2018-2029)
- 6.3 Global SiC MOSFET and SiC SBD Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2029)
- 7.2 North America SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2029)
- 7.3 North America SiC MOSFET and SiC SBD Market Size by Country
 - 7.3.1 North America SiC MOSFET and SiC SBD Sales Quantity by Country (2018-2029)
 - 7.3.2 North America SiC MOSFET and SiC SBD Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

8.1 Europe SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2029)

8.2 Europe SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2029)

8.3 Europe SiC MOSFET and SiC SBD Market Size by Country

8.3.1 Europe SiC MOSFET and SiC SBD Sales Quantity by Country (2018-2029)

8.3.2 Europe SiC MOSFET and SiC SBD Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

9.1 Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific SiC MOSFET and SiC SBD Market Size by Region

9.3.1 Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific SiC MOSFET and SiC SBD Consumption Value by Region
(2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

10.1 South America SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2029)

10.2 South America SiC MOSFET and SiC SBD Sales Quantity by Application
(2018-2029)

10.3 South America SiC MOSFET and SiC SBD Market Size by Country

10.3.1 South America SiC MOSFET and SiC SBD Sales Quantity by Country

(2018-2029)

10.3.2 South America SiC MOSFET and SiC SBD Consumption Value by Country

(2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Type

(2018-2029)

11.2 Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Application

(2018-2029)

11.3 Middle East & Africa SiC MOSFET and SiC SBD Market Size by Country

11.3.1 Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Country

(2018-2029)

11.3.2 Middle East & Africa SiC MOSFET and SiC SBD Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 SiC MOSFET and SiC SBD Market Drivers

12.2 SiC MOSFET and SiC SBD Market Restraints

12.3 SiC MOSFET and SiC SBD Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of SiC MOSFET and SiC SBD and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of SiC MOSFET and SiC SBD
- 13.3 SiC MOSFET and SiC SBD Production Process
- 13.4 SiC MOSFET and SiC SBD Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 SiC MOSFET and SiC SBD Typical Distributors
- 14.3 SiC MOSFET and SiC SBD Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global SiC MOSFET and SiC SBD Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global SiC MOSFET and SiC SBD Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 4. Infineon Technologies Major Business

Table 5. Infineon Technologies SiC MOSFET and SiC SBD Product and Services

Table 6. Infineon Technologies SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Infineon Technologies Recent Developments/Updates

Table 8. ROHM Semiconductor Basic Information, Manufacturing Base and Competitors

Table 9. ROHM Semiconductor Major Business

Table 10. ROHM Semiconductor SiC MOSFET and SiC SBD Product and Services

Table 11. ROHM Semiconductor SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. ROHM Semiconductor Recent Developments/Updates

Table 13. Wolfspeed Basic Information, Manufacturing Base and Competitors

Table 14. Wolfspeed Major Business

Table 15. Wolfspeed SiC MOSFET and SiC SBD Product and Services

Table 16. Wolfspeed SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Wolfspeed Recent Developments/Updates

Table 18. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors

Table 19. Mitsubishi Electric Major Business

Table 20. Mitsubishi Electric SiC MOSFET and SiC SBD Product and Services

Table 21. Mitsubishi Electric SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Mitsubishi Electric Recent Developments/Updates

Table 23. Toshiba Basic Information, Manufacturing Base and Competitors

Table 24. Toshiba Major Business

Table 25. Toshiba SiC MOSFET and SiC SBD Product and Services

Table 26. Toshiba SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price

(US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Toshiba Recent Developments/Updates

Table 28. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 29. STMicroelectronics Major Business

Table 30. STMicroelectronics SiC MOSFET and SiC SBD Product and Services

Table 31. STMicroelectronics SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. STMicroelectronics Recent Developments/Updates

Table 33. GeneSiC Semiconductor Inc. Basic Information, Manufacturing Base and Competitors

Table 34. GeneSiC Semiconductor Inc. Major Business

Table 35. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product and Services

Table 36. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. GeneSiC Semiconductor Inc. Recent Developments/Updates

Table 38. onsemi Basic Information, Manufacturing Base and Competitors

Table 39. onsemi Major Business

Table 40. onsemi SiC MOSFET and SiC SBD Product and Services

Table 41. onsemi SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. onsemi Recent Developments/Updates

Table 43. Microchip Technology Basic Information, Manufacturing Base and Competitors

Table 44. Microchip Technology Major Business

Table 45. Microchip Technology SiC MOSFET and SiC SBD Product and Services

Table 46. Microchip Technology SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Microchip Technology Recent Developments/Updates

Table 48. Littelfuse (IXYS) Basic Information, Manufacturing Base and Competitors

Table 49. Littelfuse (IXYS) Major Business

Table 50. Littelfuse (IXYS) SiC MOSFET and SiC SBD Product and Services

Table 51. Littelfuse (IXYS) SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Littelfuse (IXYS) Recent Developments/Updates

Table 53. Fuji Electric Basic Information, Manufacturing Base and Competitors

Table 54. Fuji Electric Major Business

Table 55. Fuji Electric SiC MOSFET and SiC SBD Product and Services

Table 56. Fuji Electric SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Fuji Electric Recent Developments/Updates

Table 58. Bosch Basic Information, Manufacturing Base and Competitors

Table 59. Bosch Major Business

Table 60. Bosch SiC MOSFET and SiC SBD Product and Services

Table 61. Bosch SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Bosch Recent Developments/Updates

Table 63. Semikron Danfoss Basic Information, Manufacturing Base and Competitors

Table 64. Semikron Danfoss Major Business

Table 65. Semikron Danfoss SiC MOSFET and SiC SBD Product and Services

Table 66. Semikron Danfoss SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Semikron Danfoss Recent Developments/Updates

Table 68. GeneSiC Semiconductor Inc. Basic Information, Manufacturing Base and Competitors

Table 69. GeneSiC Semiconductor Inc. Major Business

Table 70. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Product and Services

Table 71. GeneSiC Semiconductor Inc. SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. GeneSiC Semiconductor Inc. Recent Developments/Updates

Table 73. Nexperia (Wingtech) Basic Information, Manufacturing Base and Competitors

Table 74. Nexperia (Wingtech) Major Business

Table 75. Nexperia (Wingtech) SiC MOSFET and SiC SBD Product and Services

Table 76. Nexperia (Wingtech) SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Nexperia (Wingtech) Recent Developments/Updates

Table 78. Solitron Devices, Inc. Basic Information, Manufacturing Base and Competitors

Table 79. Solitron Devices, Inc. Major Business

Table 80. Solitron Devices, Inc. SiC MOSFET and SiC SBD Product and Services

Table 81. Solitron Devices, Inc. SiC MOSFET and SiC SBD Sales Quantity (K Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 82. Solitron Devices, Inc. Recent Developments/Updates

Table 83. Cissoid Basic Information, Manufacturing Base and Competitors

Table 84. Cissoid Major Business

Table 85. Cissoid SiC MOSFET and SiC SBD Product and Services

Table 86. Cissoid SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 87. Cissoid Recent Developments/Updates

Table 88. Hitachi Energy Basic Information, Manufacturing Base and Competitors

Table 89. Hitachi Energy Major Business

Table 90. Hitachi Energy SiC MOSFET and SiC SBD Product and Services

Table 91. Hitachi Energy SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 92. Hitachi Energy Recent Developments/Updates

Table 93. Coherent Corp (II-VI) Basic Information, Manufacturing Base and Competitors

Table 94. Coherent Corp (II-VI) Major Business

Table 95. Coherent Corp (II-VI) SiC MOSFET and SiC SBD Product and Services

Table 96. Coherent Corp (II-VI) SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 97. Coherent Corp (II-VI) Recent Developments/Updates

Table 98. Toshiba Basic Information, Manufacturing Base and Competitors

Table 99. Toshiba Major Business

Table 100. Toshiba SiC MOSFET and SiC SBD Product and Services

Table 101. Toshiba SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 102. Toshiba Recent Developments/Updates

Table 103. Diodes Incorporated Basic Information, Manufacturing Base and Competitors

Table 104. Diodes Incorporated Major Business

Table 105. Diodes Incorporated SiC MOSFET and SiC SBD Product and Services

Table 106. Diodes Incorporated SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Diodes Incorporated Recent Developments/Updates

Table 108. Vishay Intertechnology Basic Information, Manufacturing Base and Competitors

Table 109. Vishay Intertechnology Major Business

Table 110. Vishay Intertechnology SiC MOSFET and SiC SBD Product and Services

Table 111. Vishay Intertechnology SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 112. Vishay Intertechnology Recent Developments/Updates

Table 113. StarPower Semiconductor Basic Information, Manufacturing Base and Competitors

Table 114. StarPower Semiconductor Major Business

Table 115. StarPower Semiconductor SiC MOSFET and SiC SBD Product and Services

Table 116. StarPower Semiconductor SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 117. StarPower Semiconductor Recent Developments/Updates

Table 118. Zhuzhou CRRC Times Electric Basic Information, Manufacturing Base and Competitors

Table 119. Zhuzhou CRRC Times Electric Major Business

Table 120. Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Product and Services

Table 121. Zhuzhou CRRC Times Electric SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 122. Zhuzhou CRRC Times Electric Recent Developments/Updates

Table 123. WeEn Semiconductors Basic Information, Manufacturing Base and Competitors

Table 124. WeEn Semiconductors Major Business

Table 125. WeEn Semiconductors SiC MOSFET and SiC SBD Product and Services

Table 126. WeEn Semiconductors SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 127. WeEn Semiconductors Recent Developments/Updates

Table 128. Shenzhen BASiC Semiconductor Basic Information, Manufacturing Base and Competitors

Table 129. Shenzhen BASiC Semiconductor Major Business

Table 130. Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Product and Services

Table 131. Shenzhen BASiC Semiconductor SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 132. Shenzhen BASiC Semiconductor Recent Developments/Updates

Table 133. China Resources Microelectronics Limited Basic Information, Manufacturing Base and Competitors

Table 134. China Resources Microelectronics Limited Major Business

Table 135. China Resources Microelectronics Limited SiC MOSFET and SiC SBD Product and Services

Table 136. China Resources Microelectronics Limited SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. China Resources Microelectronics Limited Recent Developments/Updates

Table 138. Hangzhou Silan Microelectronics Basic Information, Manufacturing Base and Competitors

Table 139. Hangzhou Silan Microelectronics Major Business

Table 140. Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Product and Services

Table 141. Hangzhou Silan Microelectronics SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 142. Hangzhou Silan Microelectronics Recent Developments/Updates

Table 143. Yangzhou Yangjie Electronic Technology Basic Information, Manufacturing Base and Competitors

Table 144. Yangzhou Yangjie Electronic Technology Major Business

Table 145. Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Product and Services

Table 146. Yangzhou Yangjie Electronic Technology SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 147. Yangzhou Yangjie Electronic Technology Recent Developments/Updates

Table 148. NCEPOWER Basic Information, Manufacturing Base and Competitors

Table 149. NCEPOWER Major Business

Table 150. NCEPOWER SiC MOSFET and SiC SBD Product and Services

Table 151. NCEPOWER SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 152. NCEPOWER Recent Developments/Updates

Table 153. Central Semiconductor Corp. Basic Information, Manufacturing Base and Competitors

Table 154. Central Semiconductor Corp. Major Business

Table 155. Central Semiconductor Corp. SiC MOSFET and SiC SBD Product and Services

Table 156. Central Semiconductor Corp. SiC MOSFET and SiC SBD Sales Quantity (K

Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 157. Central Semiconductor Corp. Recent Developments/Updates

Table 158. Shindengen Basic Information, Manufacturing Base and Competitors

Table 159. Shindengen Major Business

Table 160. Shindengen SiC MOSFET and SiC SBD Product and Services

Table 161. Shindengen SiC MOSFET and SiC SBD Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 162. Shindengen Recent Developments/Updates

Table 163. Global SiC MOSFET and SiC SBD Sales Quantity by Manufacturer (2018-2023) & (K Units)

Table 164. Global SiC MOSFET and SiC SBD Revenue by Manufacturer (2018-2023) & (USD Million)

Table 165. Global SiC MOSFET and SiC SBD Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 166. Market Position of Manufacturers in SiC MOSFET and SiC SBD, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 167. Head Office and SiC MOSFET and SiC SBD Production Site of Key Manufacturer

Table 168. SiC MOSFET and SiC SBD Market: Company Product Type Footprint

Table 169. SiC MOSFET and SiC SBD Market: Company Product Application Footprint

Table 170. SiC MOSFET and SiC SBD New Market Entrants and Barriers to Market Entry

Table 171. SiC MOSFET and SiC SBD Mergers, Acquisition, Agreements, and Collaborations

Table 172. Global SiC MOSFET and SiC SBD Sales Quantity by Region (2018-2023) & (K Units)

Table 173. Global SiC MOSFET and SiC SBD Sales Quantity by Region (2024-2029) & (K Units)

Table 174. Global SiC MOSFET and SiC SBD Consumption Value by Region (2018-2023) & (USD Million)

Table 175. Global SiC MOSFET and SiC SBD Consumption Value by Region (2024-2029) & (USD Million)

Table 176. Global SiC MOSFET and SiC SBD Average Price by Region (2018-2023) & (US\$/Unit)

Table 177. Global SiC MOSFET and SiC SBD Average Price by Region (2024-2029) & (US\$/Unit)

Table 178. Global SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2023) & (K Units)

Table 179. Global SiC MOSFET and SiC SBD Sales Quantity by Type (2024-2029) & (K Units)

Table 180. Global SiC MOSFET and SiC SBD Consumption Value by Type (2018-2023) & (USD Million)

Table 181. Global SiC MOSFET and SiC SBD Consumption Value by Type (2024-2029) & (USD Million)

Table 182. Global SiC MOSFET and SiC SBD Average Price by Type (2018-2023) & (US\$/Unit)

Table 183. Global SiC MOSFET and SiC SBD Average Price by Type (2024-2029) & (US\$/Unit)

Table 184. Global SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2023) & (K Units)

Table 185. Global SiC MOSFET and SiC SBD Sales Quantity by Application (2024-2029) & (K Units)

Table 186. Global SiC MOSFET and SiC SBD Consumption Value by Application (2018-2023) & (USD Million)

Table 187. Global SiC MOSFET and SiC SBD Consumption Value by Application (2024-2029) & (USD Million)

Table 188. Global SiC MOSFET and SiC SBD Average Price by Application (2018-2023) & (US\$/Unit)

Table 189. Global SiC MOSFET and SiC SBD Average Price by Application (2024-2029) & (US\$/Unit)

Table 190. North America SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2023) & (K Units)

Table 191. North America SiC MOSFET and SiC SBD Sales Quantity by Type (2024-2029) & (K Units)

Table 192. North America SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2023) & (K Units)

Table 193. North America SiC MOSFET and SiC SBD Sales Quantity by Application (2024-2029) & (K Units)

Table 194. North America SiC MOSFET and SiC SBD Sales Quantity by Country (2018-2023) & (K Units)

Table 195. North America SiC MOSFET and SiC SBD Sales Quantity by Country (2024-2029) & (K Units)

Table 196. North America SiC MOSFET and SiC SBD Consumption Value by Country (2018-2023) & (USD Million)

Table 197. North America SiC MOSFET and SiC SBD Consumption Value by Country (2024-2029) & (USD Million)

Table 198. Europe SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2023) &

(K Units)

Table 199. Europe SiC MOSFET and SiC SBD Sales Quantity by Type (2024-2029) & (K Units)

Table 200. Europe SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2023) & (K Units)

Table 201. Europe SiC MOSFET and SiC SBD Sales Quantity by Application (2024-2029) & (K Units)

Table 202. Europe SiC MOSFET and SiC SBD Sales Quantity by Country (2018-2023) & (K Units)

Table 203. Europe SiC MOSFET and SiC SBD Sales Quantity by Country (2024-2029) & (K Units)

Table 204. Europe SiC MOSFET and SiC SBD Consumption Value by Country (2018-2023) & (USD Million)

Table 205. Europe SiC MOSFET and SiC SBD Consumption Value by Country (2024-2029) & (USD Million)

Table 206. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2023) & (K Units)

Table 207. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Type (2024-2029) & (K Units)

Table 208. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2023) & (K Units)

Table 209. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Application (2024-2029) & (K Units)

Table 210. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Region (2018-2023) & (K Units)

Table 211. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity by Region (2024-2029) & (K Units)

Table 212. Asia-Pacific SiC MOSFET and SiC SBD Consumption Value by Region (2018-2023) & (USD Million)

Table 213. Asia-Pacific SiC MOSFET and SiC SBD Consumption Value by Region (2024-2029) & (USD Million)

Table 214. South America SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2023) & (K Units)

Table 215. South America SiC MOSFET and SiC SBD Sales Quantity by Type (2024-2029) & (K Units)

Table 216. South America SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2023) & (K Units)

Table 217. South America SiC MOSFET and SiC SBD Sales Quantity by Application (2024-2029) & (K Units)

Table 218. South America SiC MOSFET and SiC SBD Sales Quantity by Country (2018-2023) & (K Units)

Table 219. South America SiC MOSFET and SiC SBD Sales Quantity by Country (2024-2029) & (K Units)

Table 220. South America SiC MOSFET and SiC SBD Consumption Value by Country (2018-2023) & (USD Million)

Table 221. South America SiC MOSFET and SiC SBD Consumption Value by Country (2024-2029) & (USD Million)

Table 222. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Type (2018-2023) & (K Units)

Table 223. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Type (2024-2029) & (K Units)

Table 224. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Application (2018-2023) & (K Units)

Table 225. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Application (2024-2029) & (K Units)

Table 226. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Region (2018-2023) & (K Units)

Table 227. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity by Region (2024-2029) & (K Units)

Table 228. Middle East & Africa SiC MOSFET and SiC SBD Consumption Value by Region (2018-2023) & (USD Million)

Table 229. Middle East & Africa SiC MOSFET and SiC SBD Consumption Value by Region (2024-2029) & (USD Million)

Table 230. SiC MOSFET and SiC SBD Raw Material

Table 231. Key Manufacturers of SiC MOSFET and SiC SBD Raw Materials

Table 232. SiC MOSFET and SiC SBD Typical Distributors

Table 233. SiC MOSFET and SiC SBD Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. SiC MOSFET and SiC SBD Picture

Figure 2. Global SiC MOSFET and SiC SBD Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global SiC MOSFET and SiC SBD Consumption Value Market Share by Type in 2022

Figure 4. SiC MOSFET Examples

Figure 5. SiC SBD Examples

Figure 6. Global SiC MOSFET and SiC SBD Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global SiC MOSFET and SiC SBD Consumption Value Market Share by Application in 2022

Figure 8. Electric Vehicle Examples

Figure 9. Rail Traffic Examples

Figure 10. Energy & Power Grid Examples

Figure 11. Industrial Examples

Figure 12. UPS Examples

Figure 13. Consumer Examples

Figure 14. Telecommunications Examples

Figure 15. Avionics, Military and Medical Examples

Figure 16. Others Examples

Figure 17. Global SiC MOSFET and SiC SBD Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 18. Global SiC MOSFET and SiC SBD Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 19. Global SiC MOSFET and SiC SBD Sales Quantity (2018-2029) & (K Units)

Figure 20. Global SiC MOSFET and SiC SBD Average Price (2018-2029) & (US\$/Unit)

Figure 21. Global SiC MOSFET and SiC SBD Sales Quantity Market Share by Manufacturer in 2022

Figure 22. Global SiC MOSFET and SiC SBD Consumption Value Market Share by Manufacturer in 2022

Figure 23. Producer Shipments of SiC MOSFET and SiC SBD by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 24. Top 3 SiC MOSFET and SiC SBD Manufacturer (Consumption Value) Market Share in 2022

Figure 25. Top 6 SiC MOSFET and SiC SBD Manufacturer (Consumption Value)

Market Share in 2022

Figure 26. Global SiC MOSFET and SiC SBD Sales Quantity Market Share by Region (2018-2029)

Figure 27. Global SiC MOSFET and SiC SBD Consumption Value Market Share by Region (2018-2029)

Figure 28. North America SiC MOSFET and SiC SBD Consumption Value (2018-2029) & (USD Million)

Figure 29. Europe SiC MOSFET and SiC SBD Consumption Value (2018-2029) & (USD Million)

Figure 30. Asia-Pacific SiC MOSFET and SiC SBD Consumption Value (2018-2029) & (USD Million)

Figure 31. South America SiC MOSFET and SiC SBD Consumption Value (2018-2029) & (USD Million)

Figure 32. Middle East & Africa SiC MOSFET and SiC SBD Consumption Value (2018-2029) & (USD Million)

Figure 33. Global SiC MOSFET and SiC SBD Sales Quantity Market Share by Type (2018-2029)

Figure 34. Global SiC MOSFET and SiC SBD Consumption Value Market Share by Type (2018-2029)

Figure 35. Global SiC MOSFET and SiC SBD Average Price by Type (2018-2029) & (US\$/Unit)

Figure 36. Global SiC MOSFET and SiC SBD Sales Quantity Market Share by Application (2018-2029)

Figure 37. Global SiC MOSFET and SiC SBD Consumption Value Market Share by Application (2018-2029)

Figure 38. Global SiC MOSFET and SiC SBD Average Price by Application (2018-2029) & (US\$/Unit)

Figure 39. North America SiC MOSFET and SiC SBD Sales Quantity Market Share by Type (2018-2029)

Figure 40. North America SiC MOSFET and SiC SBD Sales Quantity Market Share by Application (2018-2029)

Figure 41. North America SiC MOSFET and SiC SBD Sales Quantity Market Share by Country (2018-2029)

Figure 42. North America SiC MOSFET and SiC SBD Consumption Value Market Share by Country (2018-2029)

Figure 43. United States SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 44. Canada SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. Mexico SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. Europe SiC MOSFET and SiC SBD Sales Quantity Market Share by Type (2018-2029)

Figure 47. Europe SiC MOSFET and SiC SBD Sales Quantity Market Share by Application (2018-2029)

Figure 48. Europe SiC MOSFET and SiC SBD Sales Quantity Market Share by Country (2018-2029)

Figure 49. Europe SiC MOSFET and SiC SBD Consumption Value Market Share by Country (2018-2029)

Figure 50. Germany SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. France SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. United Kingdom SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. Russia SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Italy SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity Market Share by Type (2018-2029)

Figure 56. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity Market Share by Application (2018-2029)

Figure 57. Asia-Pacific SiC MOSFET and SiC SBD Sales Quantity Market Share by Region (2018-2029)

Figure 58. Asia-Pacific SiC MOSFET and SiC SBD Consumption Value Market Share by Region (2018-2029)

Figure 59. China SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Japan SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Korea SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. India SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 63. Southeast Asia SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Australia SiC MOSFET and SiC SBD Consumption Value and Growth Rate

(2018-2029) & (USD Million)

Figure 65. South America SiC MOSFET and SiC SBD Sales Quantity Market Share by Type (2018-2029)

Figure 66. South America SiC MOSFET and SiC SBD Sales Quantity Market Share by Application (2018-2029)

Figure 67. South America SiC MOSFET and SiC SBD Sales Quantity Market Share by Country (2018-2029)

Figure 68. South America SiC MOSFET and SiC SBD Consumption Value Market Share by Country (2018-2029)

Figure 69. Brazil SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Argentina SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity Market Share by Type (2018-2029)

Figure 72. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity Market Share by Application (2018-2029)

Figure 73. Middle East & Africa SiC MOSFET and SiC SBD Sales Quantity Market Share by Region (2018-2029)

Figure 74. Middle East & Africa SiC MOSFET and SiC SBD Consumption Value Market Share by Region (2018-2029)

Figure 75. Turkey SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. Egypt SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 77. Saudi Arabia SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 78. South Africa SiC MOSFET and SiC SBD Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 79. SiC MOSFET and SiC SBD Market Drivers

Figure 80. SiC MOSFET and SiC SBD Market Restraints

Figure 81. SiC MOSFET and SiC SBD Market Trends

Figure 82. Porters Five Forces Analysis

Figure 83. Manufacturing Cost Structure Analysis of SiC MOSFET and SiC SBD in 2022

Figure 84. Manufacturing Process Analysis of SiC MOSFET and SiC SBD

Figure 85. SiC MOSFET and SiC SBD Industrial Chain

Figure 86. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 87. Direct Channel Pros & Cons

Figure 88. Indirect Channel Pros & Cons

Figure 89. Methodology

Figure 90. Research Process and Data Source

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