

# Global Silicon Carbide MOSFET Module Market Research Report 2024(Status and Outlook)

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## Abstracts

Report Overview:

Silicon carbide MOSFET has the characteristics of low on-off resistance and small switch loss, which can reduce device loss and improve system efficiency. It is more suitable for high frequency circuit.

It is widely used in new energy vehicle motor controller, on-board power supply, solar inverter, charging pile, UPS, PFC power supply and other fields.

This report investigates the market for SiC MOSFET chips and devices and SiC MOSFET modules.

The Global Silicon Carbide MOSFET Module Market Size was estimated at USD 629.78 million in 2023 and is projected to reach USD 1615.49 million by 2029, exhibiting a CAGR of 17.00% during the forecast period.

This report provides a deep insight into the global Silicon Carbide MOSFET Module 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 Silicon Carbide MOSFET Module 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 Silicon Carbide MOSFET Module market in any manner.

### Global Silicon Carbide MOSFET Module 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

STMicroelectronics

ROHM CO.?LTD.

Starpower

Wolfspeed

Infineon Technologies

ON Semiconductor

Littelfuse

Microchip

Mitsubishi Electric

GeneSiC Semiconductor Inc.

Shenzhen BASiC Semiconductor LTD

Imperix

Market Segmentation (by Type)

Full Silicon Carbide Modules

Hybrid Silicon Carbide Modules

Market Segmentation (by Application)

Industrial

Automotive

Medical

Aerospace and Defense

Other Applications

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 Silicon Carbide MOSFET Module Market

Overview of the regional outlook of the Silicon Carbide MOSFET Module 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 Silicon Carbide MOSFET Module 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 Silicon Carbide MOSFET Module

1.2 Key Market Segments

1.2.1 Silicon Carbide MOSFET Module Segment by Type

1.2.2 Silicon Carbide MOSFET Module 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 SILICON CARBIDE MOSFET MODULE MARKET OVERVIEW**

2.1 Global Market Overview

2.1.1 Global Silicon Carbide MOSFET Module Market Size (M USD) Estimates and Forecasts (2019-2030)

2.1.2 Global Silicon Carbide MOSFET Module Sales Estimates and Forecasts (2019-2030)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

### **3 SILICON CARBIDE MOSFET MODULE MARKET COMPETITIVE LANDSCAPE**

3.1 Global Silicon Carbide MOSFET Module Sales by Manufacturers (2019-2024)

3.2 Global Silicon Carbide MOSFET Module Revenue Market Share by Manufacturers (2019-2024)

3.3 Silicon Carbide MOSFET Module Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global Silicon Carbide MOSFET Module Average Price by Manufacturers (2019-2024)

3.5 Manufacturers Silicon Carbide MOSFET Module Sales Sites, Area Served, Product Type

3.6 Silicon Carbide MOSFET Module Market Competitive Situation and Trends

3.6.1 Silicon Carbide MOSFET Module Market Concentration Rate

3.6.2 Global 5 and 10 Largest Silicon Carbide MOSFET Module Players Market Share

by Revenue

3.6.3 Mergers & Acquisitions, Expansion

## **4 SILICON CARBIDE MOSFET MODULE INDUSTRY CHAIN ANALYSIS**

4.1 Silicon Carbide MOSFET Module 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 SILICON CARBIDE MOSFET MODULE 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 SILICON CARBIDE MOSFET MODULE MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Silicon Carbide MOSFET Module Sales Market Share by Type (2019-2024)

6.3 Global Silicon Carbide MOSFET Module Market Size Market Share by Type (2019-2024)

6.4 Global Silicon Carbide MOSFET Module Price by Type (2019-2024)

## **7 SILICON CARBIDE MOSFET MODULE MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Silicon Carbide MOSFET Module Market Sales by Application (2019-2024)

7.3 Global Silicon Carbide MOSFET Module Market Size (M USD) by Application (2019-2024)



## 7.4 Global Silicon Carbide MOSFET Module Sales Growth Rate by Application (2019-2024)

# 8 SILICON CARBIDE MOSFET MODULE MARKET SEGMENTATION BY REGION

## 8.1 Global Silicon Carbide MOSFET Module Sales by Region

### 8.1.1 Global Silicon Carbide MOSFET Module Sales by Region

### 8.1.2 Global Silicon Carbide MOSFET Module Sales Market Share by Region

## 8.2 North America

### 8.2.1 North America Silicon Carbide MOSFET Module Sales by Country

#### 8.2.2 U.S.

#### 8.2.3 Canada

#### 8.2.4 Mexico

## 8.3 Europe

### 8.3.1 Europe Silicon Carbide MOSFET Module 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 Silicon Carbide MOSFET Module 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 Silicon Carbide MOSFET Module 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 Silicon Carbide MOSFET Module 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 STMicroelectronics

9.1.1 STMicroelectronics Silicon Carbide MOSFET Module Basic Information

9.1.2 STMicroelectronics Silicon Carbide MOSFET Module Product Overview

9.1.3 STMicroelectronics Silicon Carbide MOSFET Module Product Market

Performance

9.1.4 STMicroelectronics Business Overview

9.1.5 STMicroelectronics Silicon Carbide MOSFET Module SWOT Analysis

9.1.6 STMicroelectronics Recent Developments

### 9.2 ROHM CO.?LTD.

9.2.1 ROHM CO.?LTD. Silicon Carbide MOSFET Module Basic Information

9.2.2 ROHM CO.?LTD. Silicon Carbide MOSFET Module Product Overview

9.2.3 ROHM CO.?LTD. Silicon Carbide MOSFET Module Product Market Performance

9.2.4 ROHM CO.?LTD. Business Overview

9.2.5 ROHM CO.?LTD. Silicon Carbide MOSFET Module SWOT Analysis

9.2.6 ROHM CO.?LTD. Recent Developments

### 9.3 Starpower

9.3.1 Starpower Silicon Carbide MOSFET Module Basic Information

9.3.2 Starpower Silicon Carbide MOSFET Module Product Overview

9.3.3 Starpower Silicon Carbide MOSFET Module Product Market Performance

9.3.4 Starpower Silicon Carbide MOSFET Module SWOT Analysis

9.3.5 Starpower Business Overview

9.3.6 Starpower Recent Developments

### 9.4 Wolfspeed

9.4.1 Wolfspeed Silicon Carbide MOSFET Module Basic Information

9.4.2 Wolfspeed Silicon Carbide MOSFET Module Product Overview

9.4.3 Wolfspeed Silicon Carbide MOSFET Module Product Market Performance

9.4.4 Wolfspeed Business Overview

9.4.5 Wolfspeed Recent Developments

### 9.5 Infineon Technologies

9.5.1 Infineon Technologies Silicon Carbide MOSFET Module Basic Information

9.5.2 Infineon Technologies Silicon Carbide MOSFET Module Product Overview

9.5.3 Infineon Technologies Silicon Carbide MOSFET Module Product Market

Performance

9.5.4 Infineon Technologies Business Overview

9.5.5 Infineon Technologies Recent Developments

### 9.6 ON Semiconductor

- 9.6.1 ON Semiconductor Silicon Carbide MOSFET Module Basic Information
- 9.6.2 ON Semiconductor Silicon Carbide MOSFET Module Product Overview
- 9.6.3 ON Semiconductor Silicon Carbide MOSFET Module Product Market Performance
- 9.6.4 ON Semiconductor Business Overview
- 9.6.5 ON Semiconductor Recent Developments
- 9.7 Littelfuse
  - 9.7.1 Littelfuse Silicon Carbide MOSFET Module Basic Information
  - 9.7.2 Littelfuse Silicon Carbide MOSFET Module Product Overview
  - 9.7.3 Littelfuse Silicon Carbide MOSFET Module Product Market Performance
  - 9.7.4 Littelfuse Business Overview
  - 9.7.5 Littelfuse Recent Developments
- 9.8 Microchip
  - 9.8.1 Microchip Silicon Carbide MOSFET Module Basic Information
  - 9.8.2 Microchip Silicon Carbide MOSFET Module Product Overview
  - 9.8.3 Microchip Silicon Carbide MOSFET Module Product Market Performance
  - 9.8.4 Microchip Business Overview
  - 9.8.5 Microchip Recent Developments
- 9.9 Mitsubishi Electric
  - 9.9.1 Mitsubishi Electric Silicon Carbide MOSFET Module Basic Information
  - 9.9.2 Mitsubishi Electric Silicon Carbide MOSFET Module Product Overview
  - 9.9.3 Mitsubishi Electric Silicon Carbide MOSFET Module Product Market Performance
  - 9.9.4 Mitsubishi Electric Business Overview
  - 9.9.5 Mitsubishi Electric Recent Developments
- 9.10 GeneSiC Semiconductor Inc.
  - 9.10.1 GeneSiC Semiconductor Inc. Silicon Carbide MOSFET Module Basic Information
  - 9.10.2 GeneSiC Semiconductor Inc. Silicon Carbide MOSFET Module Product Overview
  - 9.10.3 GeneSiC Semiconductor Inc. Silicon Carbide MOSFET Module Product Market Performance
  - 9.10.4 GeneSiC Semiconductor Inc. Business Overview
  - 9.10.5 GeneSiC Semiconductor Inc. Recent Developments
- 9.11 Shenzhen BASiC Semiconductor LTD
  - 9.11.1 Shenzhen BASiC Semiconductor LTD Silicon Carbide MOSFET Module Basic Information
  - 9.11.2 Shenzhen BASiC Semiconductor LTD Silicon Carbide MOSFET Module Product Overview

9.11.3 Shenzhen BASiC Semiconductor LTD Silicon Carbide MOSFET Module Product Market Performance

9.11.4 Shenzhen BASiC Semiconductor LTD Business Overview

9.11.5 Shenzhen BASiC Semiconductor LTD Recent Developments

9.12 Imperix

9.12.1 Imperix Silicon Carbide MOSFET Module Basic Information

9.12.2 Imperix Silicon Carbide MOSFET Module Product Overview

9.12.3 Imperix Silicon Carbide MOSFET Module Product Market Performance

9.12.4 Imperix Business Overview

9.12.5 Imperix Recent Developments

## **10 SILICON CARBIDE MOSFET MODULE MARKET FORECAST BY REGION**

10.1 Global Silicon Carbide MOSFET Module Market Size Forecast

10.2 Global Silicon Carbide MOSFET Module Market Forecast by Region

10.2.1 North America Market Size Forecast by Country

10.2.2 Europe Silicon Carbide MOSFET Module Market Size Forecast by Country

10.2.3 Asia Pacific Silicon Carbide MOSFET Module Market Size Forecast by Region

10.2.4 South America Silicon Carbide MOSFET Module Market Size Forecast by Country

10.2.5 Middle East and Africa Forecasted Consumption of Silicon Carbide MOSFET Module by Country

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

11.1 Global Silicon Carbide MOSFET Module Market Forecast by Type (2025-2030)

11.1.1 Global Forecasted Sales of Silicon Carbide MOSFET Module by Type (2025-2030)

11.1.2 Global Silicon Carbide MOSFET Module Market Size Forecast by Type (2025-2030)

11.1.3 Global Forecasted Price of Silicon Carbide MOSFET Module by Type (2025-2030)

11.2 Global Silicon Carbide MOSFET Module Market Forecast by Application (2025-2030)

11.2.1 Global Silicon Carbide MOSFET Module Sales (K Units) Forecast by Application

11.2.2 Global Silicon Carbide MOSFET Module 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. Silicon Carbide MOSFET Module Market Size Comparison by Region (M USD)

Table 5. Global Silicon Carbide MOSFET Module Sales (K Units) by Manufacturers (2019-2024)

Table 6. Global Silicon Carbide MOSFET Module Sales Market Share by Manufacturers (2019-2024)

Table 7. Global Silicon Carbide MOSFET Module Revenue (M USD) by Manufacturers (2019-2024)

Table 8. Global Silicon Carbide MOSFET Module Revenue Share by Manufacturers (2019-2024)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Silicon Carbide MOSFET Module as of 2022)

Table 10. Global Market Silicon Carbide MOSFET Module Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 11. Manufacturers Silicon Carbide MOSFET Module Sales Sites and Area Served

Table 12. Manufacturers Silicon Carbide MOSFET Module Product Type

Table 13. Global Silicon Carbide MOSFET Module Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of Silicon Carbide MOSFET Module

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. Silicon Carbide MOSFET Module Market Challenges

Table 22. Global Silicon Carbide MOSFET Module Sales by Type (K Units)

Table 23. Global Silicon Carbide MOSFET Module Market Size by Type (M USD)

Table 24. Global Silicon Carbide MOSFET Module Sales (K Units) by Type (2019-2024)

Table 25. Global Silicon Carbide MOSFET Module Sales Market Share by Type (2019-2024)

Table 26. Global Silicon Carbide MOSFET Module Market Size (M USD) by Type (2019-2024)

Table 27. Global Silicon Carbide MOSFET Module Market Size Share by Type (2019-2024)

Table 28. Global Silicon Carbide MOSFET Module Price (USD/Unit) by Type (2019-2024)

Table 29. Global Silicon Carbide MOSFET Module Sales (K Units) by Application

Table 30. Global Silicon Carbide MOSFET Module Market Size by Application

Table 31. Global Silicon Carbide MOSFET Module Sales by Application (2019-2024) & (K Units)

Table 32. Global Silicon Carbide MOSFET Module Sales Market Share by Application (2019-2024)

Table 33. Global Silicon Carbide MOSFET Module Sales by Application (2019-2024) & (M USD)

Table 34. Global Silicon Carbide MOSFET Module Market Share by Application (2019-2024)

Table 35. Global Silicon Carbide MOSFET Module Sales Growth Rate by Application (2019-2024)

Table 36. Global Silicon Carbide MOSFET Module Sales by Region (2019-2024) & (K Units)

Table 37. Global Silicon Carbide MOSFET Module Sales Market Share by Region (2019-2024)

Table 38. North America Silicon Carbide MOSFET Module Sales by Country (2019-2024) & (K Units)

Table 39. Europe Silicon Carbide MOSFET Module Sales by Country (2019-2024) & (K Units)

Table 40. Asia Pacific Silicon Carbide MOSFET Module Sales by Region (2019-2024) & (K Units)

Table 41. South America Silicon Carbide MOSFET Module Sales by Country (2019-2024) & (K Units)

Table 42. Middle East and Africa Silicon Carbide MOSFET Module Sales by Region (2019-2024) & (K Units)

Table 43. STMicroelectronics Silicon Carbide MOSFET Module Basic Information

Table 44. STMicroelectronics Silicon Carbide MOSFET Module Product Overview

Table 45. STMicroelectronics Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 46. STMicroelectronics Business Overview

Table 47. STMicroelectronics Silicon Carbide MOSFET Module SWOT Analysis

Table 48. STMicroelectronics Recent Developments

Table 49. ROHM CO., LTD. Silicon Carbide MOSFET Module Basic Information

Table 50. ROHM CO., LTD. Silicon Carbide MOSFET Module Product Overview



Table 51. ROHM CO.?LTD. Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 52. ROHM CO.?LTD. Business Overview

Table 53. ROHM CO.?LTD. Silicon Carbide MOSFET Module SWOT Analysis

Table 54. ROHM CO.?LTD. Recent Developments

Table 55. Starpower Silicon Carbide MOSFET Module Basic Information

Table 56. Starpower Silicon Carbide MOSFET Module Product Overview

Table 57. Starpower Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 58. Starpower Silicon Carbide MOSFET Module SWOT Analysis

Table 59. Starpower Business Overview

Table 60. Starpower Recent Developments

Table 61. Wolfspeed Silicon Carbide MOSFET Module Basic Information

Table 62. Wolfspeed Silicon Carbide MOSFET Module Product Overview

Table 63. Wolfspeed Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 64. Wolfspeed Business Overview

Table 65. Wolfspeed Recent Developments

Table 66. Infineon Technologies Silicon Carbide MOSFET Module Basic Information

Table 67. Infineon Technologies Silicon Carbide MOSFET Module Product Overview

Table 68. Infineon Technologies Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 69. Infineon Technologies Business Overview

Table 70. Infineon Technologies Recent Developments

Table 71. ON Semiconductor Silicon Carbide MOSFET Module Basic Information

Table 72. ON Semiconductor Silicon Carbide MOSFET Module Product Overview

Table 73. ON Semiconductor Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 74. ON Semiconductor Business Overview

Table 75. ON Semiconductor Recent Developments

Table 76. Littelfuse Silicon Carbide MOSFET Module Basic Information

Table 77. Littelfuse Silicon Carbide MOSFET Module Product Overview

Table 78. Littelfuse Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 79. Littelfuse Business Overview

Table 80. Littelfuse Recent Developments

Table 81. Microchip Silicon Carbide MOSFET Module Basic Information

Table 82. Microchip Silicon Carbide MOSFET Module Product Overview

Table 83. Microchip Silicon Carbide MOSFET Module Sales (K Units), Revenue (M



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

Table 84. Microchip Business Overview

Table 85. Microchip Recent Developments

Table 86. Mitsubishi Electric Silicon Carbide MOSFET Module Basic Information

Table 87. Mitsubishi Electric Silicon Carbide MOSFET Module Product Overview

Table 88. Mitsubishi Electric Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 89. Mitsubishi Electric Business Overview

Table 90. Mitsubishi Electric Recent Developments

Table 91. GeneSiC Semiconductor Inc. Silicon Carbide MOSFET Module Basic Information

Table 92. GeneSiC Semiconductor Inc. Silicon Carbide MOSFET Module Product Overview

Table 93. GeneSiC Semiconductor Inc. Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 94. GeneSiC Semiconductor Inc. Business Overview

Table 95. GeneSiC Semiconductor Inc. Recent Developments

Table 96. Shenzhen BASiC Semiconductor LTD Silicon Carbide MOSFET Module Basic Information

Table 97. Shenzhen BASiC Semiconductor LTD Silicon Carbide MOSFET Module Product Overview

Table 98. Shenzhen BASiC Semiconductor LTD Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 99. Shenzhen BASiC Semiconductor LTD Business Overview

Table 100. Shenzhen BASiC Semiconductor LTD Recent Developments

Table 101. Imperix Silicon Carbide MOSFET Module Basic Information

Table 102. Imperix Silicon Carbide MOSFET Module Product Overview

Table 103. Imperix Silicon Carbide MOSFET Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 104. Imperix Business Overview

Table 105. Imperix Recent Developments

Table 106. Global Silicon Carbide MOSFET Module Sales Forecast by Region (2025-2030) & (K Units)

Table 107. Global Silicon Carbide MOSFET Module Market Size Forecast by Region (2025-2030) & (M USD)

Table 108. North America Silicon Carbide MOSFET Module Sales Forecast by Country (2025-2030) & (K Units)

Table 109. North America Silicon Carbide MOSFET Module Market Size Forecast by Country (2025-2030) & (M USD)

Table 110. Europe Silicon Carbide MOSFET Module Sales Forecast by Country (2025-2030) & (K Units)

Table 111. Europe Silicon Carbide MOSFET Module Market Size Forecast by Country (2025-2030) & (M USD)

Table 112. Asia Pacific Silicon Carbide MOSFET Module Sales Forecast by Region (2025-2030) & (K Units)

Table 113. Asia Pacific Silicon Carbide MOSFET Module Market Size Forecast by Region (2025-2030) & (M USD)

Table 114. South America Silicon Carbide MOSFET Module Sales Forecast by Country (2025-2030) & (K Units)

Table 115. South America Silicon Carbide MOSFET Module Market Size Forecast by Country (2025-2030) & (M USD)

Table 116. Middle East and Africa Silicon Carbide MOSFET Module Consumption Forecast by Country (2025-2030) & (Units)

Table 117. Middle East and Africa Silicon Carbide MOSFET Module Market Size Forecast by Country (2025-2030) & (M USD)

Table 118. Global Silicon Carbide MOSFET Module Sales Forecast by Type (2025-2030) & (K Units)

Table 119. Global Silicon Carbide MOSFET Module Market Size Forecast by Type (2025-2030) & (M USD)

Table 120. Global Silicon Carbide MOSFET Module Price Forecast by Type (2025-2030) & (USD/Unit)

Table 121. Global Silicon Carbide MOSFET Module Sales (K Units) Forecast by Application (2025-2030)

Table 122. Global Silicon Carbide MOSFET Module Market Size Forecast by Application (2025-2030) & (M USD)

## List Of Figures

### LIST OF FIGURES

Figure 1. Product Picture of Silicon Carbide MOSFET Module

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Silicon Carbide MOSFET Module Market Size (M USD), 2019-2030

Figure 5. Global Silicon Carbide MOSFET Module Market Size (M USD) (2019-2030)

Figure 6. Global Silicon Carbide MOSFET Module 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. Silicon Carbide MOSFET Module Market Size by Country (M USD)

Figure 11. Silicon Carbide MOSFET Module Sales Share by Manufacturers in 2023

Figure 12. Global Silicon Carbide MOSFET Module Revenue Share by Manufacturers in 2023

Figure 13. Silicon Carbide MOSFET Module Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market Silicon Carbide MOSFET Module Average Price (USD/Unit) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by Silicon Carbide MOSFET Module Revenue in 2023

Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 17. Global Silicon Carbide MOSFET Module Market Share by Type

Figure 18. Sales Market Share of Silicon Carbide MOSFET Module by Type (2019-2024)

Figure 19. Sales Market Share of Silicon Carbide MOSFET Module by Type in 2023

Figure 20. Market Size Share of Silicon Carbide MOSFET Module by Type (2019-2024)

Figure 21. Market Size Market Share of Silicon Carbide MOSFET Module by Type in 2023

Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 23. Global Silicon Carbide MOSFET Module Market Share by Application

Figure 24. Global Silicon Carbide MOSFET Module Sales Market Share by Application (2019-2024)

Figure 25. Global Silicon Carbide MOSFET Module Sales Market Share by Application in 2023

Figure 26. Global Silicon Carbide MOSFET Module Market Share by Application (2019-2024)

Figure 27. Global Silicon Carbide MOSFET Module Market Share by Application in 2023

Figure 28. Global Silicon Carbide MOSFET Module Sales Growth Rate by Application (2019-2024)

Figure 29. Global Silicon Carbide MOSFET Module Sales Market Share by Region (2019-2024)

Figure 30. North America Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America Silicon Carbide MOSFET Module Sales Market Share by Country in 2023

Figure 32. U.S. Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada Silicon Carbide MOSFET Module Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico Silicon Carbide MOSFET Module Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe Silicon Carbide MOSFET Module Sales Market Share by Country in 2023

Figure 37. Germany Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific Silicon Carbide MOSFET Module Sales and Growth Rate (K Units)

Figure 43. Asia Pacific Silicon Carbide MOSFET Module Sales Market Share by Region in 2023

Figure 44. China Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea Silicon Carbide MOSFET Module Sales and Growth Rate

(2019-2024) & (K Units)

Figure 47. India Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America Silicon Carbide MOSFET Module Sales and Growth Rate (K Units)

Figure 50. South America Silicon Carbide MOSFET Module Sales Market Share by Country in 2023

Figure 51. Brazil Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa Silicon Carbide MOSFET Module Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Silicon Carbide MOSFET Module Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa Silicon Carbide MOSFET Module Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global Silicon Carbide MOSFET Module Sales Forecast by Volume (2019-2030) & (K Units)

Figure 62. Global Silicon Carbide MOSFET Module Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global Silicon Carbide MOSFET Module Sales Market Share Forecast by Type (2025-2030)

Figure 64. Global Silicon Carbide MOSFET Module Market Share Forecast by Type (2025-2030)

Figure 65. Global Silicon Carbide MOSFET Module Sales Forecast by Application (2025-2030)

Figure 66. Global Silicon Carbide MOSFET Module Market Share Forecast by Application (2025-2030)

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