

# Global Automotive-grade SiC MOSFET Discrete Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GA697385BB05EN.html>

Date: September 2023

Pages: 116

Price: US\$ 4,480.00 (Single User License)

ID: GA697385BB05EN

## Abstracts

The global Automotive-grade SiC MOSFET Discrete market size is expected to reach \$ 393.8 million by 2029, rising at a market growth of 22.8% CAGR during the forecast period (2023-2029).

The key players of SiC MOSFET Discrete are STMicroelectronics, Infineon, Wolfspeed, Rohm, and CETC 55, etc. The top five players hold a share over 80 percent. The key players of SiC SBD are STMicroelectronics, Infineon, Wolfspeed, Rohm, onsemi, Microchip (Microsemi), and San'an Optoelectronics, etc. The top five players hold a share over 70 percent.

This report studies the Automotive-grade SiC MOSFET Discrettes, used in EV Main Inverter (Electric Traction), OBC and DC/DC.

This report studies the global Automotive-grade SiC MOSFET Discrete production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive-grade SiC MOSFET Discrete, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automotive-grade SiC MOSFET Discrete that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Automotive-grade SiC MOSFET Discrete total production and demand, 2018-2029, (K Units)

Global Automotive-grade SiC MOSFET Discrete total production value, 2018-2029, (USD Million)

Global Automotive-grade SiC MOSFET Discrete production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Automotive-grade SiC MOSFET Discrete consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Automotive-grade SiC MOSFET Discrete domestic production, consumption, key domestic manufacturers and share

Global Automotive-grade SiC MOSFET Discrete production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Automotive-grade SiC MOSFET Discrete production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Automotive-grade SiC MOSFET Discrete production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Automotive-grade SiC MOSFET Discrete market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STMicroelectronics, Infineon, Wolfspeed, Rohm, onsemi, BYD Semiconductor, Microchip (Microsemi), Mitsubishi Electric (Vincotech) and Semikron Danfoss, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automotive-grade SiC MOSFET Discrete market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by

manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Automotive-grade SiC MOSFET Discrete Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Automotive-grade SiC MOSFET Discrete Market, Segmentation by Type

650V SiC MOSFET Discrete

750V SiC MOSFET Discrete

900V SiC MOSFET Discrete

1200V SiC MOSFET Discrete

#### Global Automotive-grade SiC MOSFET Discrete Market, Segmentation by Application

Main Inverter (Electric Traction)

OBC

## DC/DC Converter for EV/HEV

### Companies Profiled:

STMicroelectronics

Infineon

Wolfspeed

Rohm

onsemi

BYD Semiconductor

Microchip (Microsemi)

Mitsubishi Electric (Vincotech)

Semikron Danfoss

Navitas (GeneSiC)

Toshiba

San'an Optoelectronics

CETC 55

BASiC Semiconductor

Bosch

Zhuzhou CRRC Times Electric

Guangdong AccoPower Semiconductor

## Alpha & Omega Semiconductor

### Key Questions Answered

1. How big is the global Automotive-grade SiC MOSFET Discrete market?
2. What is the demand of the global Automotive-grade SiC MOSFET Discrete market?
3. What is the year over year growth of the global Automotive-grade SiC MOSFET Discrete market?
4. What is the production and production value of the global Automotive-grade SiC MOSFET Discrete market?
5. Who are the key producers in the global Automotive-grade SiC MOSFET Discrete market?

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