

Global Silicon Carbide Schottky Barrier Diodes Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GA384FD50C1AEN.html>

Date: March 2023

Pages: 130

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

ID: GA384FD50C1AEN

Abstracts

The global Silicon Carbide Schottky Barrier Diodes market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Silicon carbide diodes are mostly Schottky diodes. The first commercial SiC Schottky diodes were introduced more than ten years ago. Since that date, these devices have been incorporated into many power supply systems. The diodes were upgraded to SiC power switches such as Jfet, Bjt and Mosfet. SiC switches with a breakdown voltage of 600-1700 V and rated currents of 1 A-60 A are currently available. The focal point here is how to effectively measure a Sic MOSFET.

This report studies the global Silicon Carbide Schottky Barrier Diodes production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Carbide Schottky Barrier Diodes, 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 Silicon Carbide Schottky Barrier Diodes that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Carbide Schottky Barrier Diodes total production and demand, 2018-2029, (M Units)

Global Silicon Carbide Schottky Barrier Diodes total production value, 2018-2029, (USD

Million)

Global Silicon Carbide Schottky Barrier Diodes production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (M Units)

Global Silicon Carbide Schottky Barrier Diodes consumption by region & country, CAGR, 2018-2029 & (M Units)

U.S. VS China: Silicon Carbide Schottky Barrier Diodes domestic production, consumption, key domestic manufacturers and share

Global Silicon Carbide Schottky Barrier Diodes production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (M Units)

Global Silicon Carbide Schottky Barrier Diodes production by Type, production, value, CAGR, 2018-2029, (USD Million) & (M Units)

Global Silicon Carbide Schottky Barrier Diodes production by Application production, value, CAGR, 2018-2029, (USD Million) & (M Units)

This reports profiles key players in the global Silicon Carbide Schottky Barrier Diodes 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 Wolfspeed, onsemi, STMicroelectronics, ROHM, Infineon Technologies, Microchip Technology, Toshiba, Nexperia and Littelfuse, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Silicon Carbide Schottky Barrier Diodes market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (M Units) and average price (US\$/K Units) 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 Silicon Carbide Schottky Barrier Diodes Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Silicon Carbide Schottky Barrier Diodes Market, Segmentation by Type

600V

650V

1200V

Others

Global Silicon Carbide Schottky Barrier Diodes Market, Segmentation by Application

Automotive

Industrial

Communication

Consumer Electronics

Renewable Energy

Others

Companies Profiled:

Wolfspeed

onsemi

STMicroelectronics

ROHM

Infineon Technologies

Microchip Technology

Toshiba

Nexperia

Littelfuse

SMC Diode Solutions

SemiQ

GeneSiC Semiconductor

Fuji Electric

Renesas

Mitsubishi Electric

Vishay

Diodes Incorporated

Comchip Technology

UnitedSiC

Sanan IC

BASiC Semiconductor

WeEn Semiconductors

Yangzhou Yangjie Electronic

CETC Guoji South Group

Key Questions Answered

1. How big is the global Silicon Carbide Schottky Barrier Diodes market?
2. What is the demand of the global Silicon Carbide Schottky Barrier Diodes market?
3. What is the year over year growth of the global Silicon Carbide Schottky Barrier Diodes market?
4. What is the production and production value of the global Silicon Carbide Schottky Barrier Diodes market?
5. Who are the key producers in the global Silicon Carbide Schottky Barrier Diodes market?
6. What are the growth factors driving the market demand?

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