

Silicon Carbide Market for Semiconductor Applications to Grow at a CAGR Of 18.12% and Forecast to 2021

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[Silicon Carbide Market for Semiconductor Applications 2017](#)

Silicon carbide (SiC) is a wide-band gap semiconductor material that is used for various applications in the semiconductor industry. SiC has an outstanding thermal performance, power switching frequencies, and power ratings compared with silicon. It has the potential to deliver high-power switching applications in extreme environments.

Silicon carbide (SiC) is a wide-band gap semiconductor material that is used for various applications in the semiconductor industry. SiC has an outstanding thermal performance, power switching frequency, and power rating compared with silicon. It has the potential to deliver high-power switching applications in extreme environments. SiCs are mostly used in MOSFETs, apart from other devices.

The analysts forecast the global silicon carbide market for semiconductor applications to grow at a CAGR of 18.12% during the period 2017-2021.

Covered in this report

The report covers the present scenario and the growth prospects of the global silicon carbide market for semiconductor applications for 2017-2021. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data



from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

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The report, Global Silicon Carbide Market for Semiconductor Applications 2017-2021, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Key vendors

- Cree
- GeneSiC Semiconductor
- Infineon Technologies
- STMicroelectronics

Other prominent vendors

- Microsemi
- Monolith Semiconductor
- United Silicon Carbide
- Toshiba

Market driver

- Increasing embedding of SiC-based power electronics in EVs and hybrid EVs.
- For a full, detailed list, view our report

Market challenge

- High investment requirements.
- For a full, detailed list, view our report

Market trend

- Expansion of applications across other sectors.
- For a full, detailed list, view our report

Key questions answered in this report

- What will the market size be in 2021 and what will the growth rate be?

- What are the key market trends?
- What is driving this market?
- What are the challenges to market growth?
- Who are the key vendors in this market space?
- What are the market opportunities and threats faced by the key vendors?
- What are the strengths and weaknesses of the key vendors?

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Table of Contents

PART 01: Executive summary

PART 02: Scope of the report

PART 03: Research Methodology

PART 04: Introduction

- Key market highlights

PART 05: Technology perspective — Wide-band gap materials

- SiC versus other semiconductor materials

PART 06: Market landscape

- Global SiC market for semiconductor applications: Overview
- Market size and forecast
- Five forces analysis

PART 07: Market segmentation by application

- Global SiC market for semiconductor applications by application
- Global SiC market for semiconductor applications by silicon diodes
- Global SiC market for semiconductor applications by MOSFETs

PART 08: Market segmentation by end-user

- Global SiC market for semiconductor applications by end-user
- Global SiC market for semiconductor applications in consumer electronics sector
- Global SiC market for semiconductor applications in telecommunication sector
- Global SiC market for semiconductor applications in automotive sector
- Global SiC market for semiconductor applications in military and aerospace sector
- Global SiC market for semiconductor applications in industrial sector
- Global SiC market for semiconductor applications in others segment

PART 09: Geographical segmentation

- Global SiC market for semiconductor applications by geography
- SiC market for semiconductor applications in APAC
- SiC market for semiconductor applications in EMEA
- SiC market for semiconductor materials in Americas

PART 10: Decision framework

PART 11: Drivers and challenges

- Market drivers
- Impact of drivers on key customer segments
- Market challenges
- Impact of challenges on key customer segments

PART 12: Market trends

- High demand from solar panel industry
- Expansion of applications across other sectors

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