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Semiconductor Devices for High Temperature Market, Global Outlook and Forecast 2022-2028

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Abstracts

Semiconductor Devices for High Temperature have long been used in aerospace, oil and gas operations. Only when a high temperature device is used as a driving device of a silicon carbide switch, its high temperature resistance characteristics can be brought into play, which can reduce or even eliminate the need for a cooling system. It has the effect of slowing down the aging of the device and increasing the working life.

This report contains market size and forecasts of Semiconductor Devices for High Temperature in global, including the following market information:

Global Semiconductor Devices for High Temperature Market Revenue, 2017-2022, 2023-2028, ($ millions)

Global Semiconductor Devices for High Temperature Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Semiconductor Devices for High Temperature companies in 2021 (%)

The global Semiconductor Devices for High Temperature market was valued at 6932.1 million in 2021 and is projected to reach US$ 19680 million by 2028, at a CAGR of 16.1% during the forecast period.

The U.S. Market is Estimated at $ Million in 2021, While China is Forecast to Reach $ Million by 2028.

Gallium Nitride (GaN) Segment to Reach $ Million by 2028, with a % CAGR in next six years.

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The global key manufacturers of Semiconductor Devices for High Temperature include Cree Inc., Fujitsu Ltd., Gan Systems Inc., General Electric, GeneSiC Semiconductor, Infineon Technologies, NXP Semiconductors, Qorvo and Renesas Electronics, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Semiconductor Devices for High Temperature manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Semiconductor Devices for High Temperature Market, by Type, 2017-2022, 2023-2028 ($ Millions) & (K Units)

Global Semiconductor Devices for High Temperature Market Segment Percentages, by Type, 2021 (%)

Gallium Nitride (GaN)

Silicon Carbide (SiC)

Gallium Arsenide (GaAs)

Diamond Semiconductor

Global Semiconductor Devices for High Temperature Market, by Application, 2017-2022, 2023-2028 ($ Millions) & (K Units)

Global Semiconductor Devices for High Temperature Market Segment Percentages, by Application, 2021 (%)

Defense & Aerospace

Information & Communication Technology

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- Healthcare
- Steel & Energy
- Electronics & Electrical
- Others

Global Semiconductor Devices for High Temperature Market, By Region and Country, 2017-2022, 2023-2028 ($ Millions) & (K Units)

Global Semiconductor Devices for High Temperature Market Segment Percentages, By Region and Country, 2021 (%)

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - France
  - U.K.
  - Italy
  - Russia
  - Nordic Countries
  - Benelux

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- Rest of Europe
- Asia
  - China
  - Japan
  - South Korea
  - Southeast Asia
  - India
  - Rest of Asia
- South America
  - Brazil
  - Argentina
  - Rest of South America
- Middle East & Africa
  - Turkey
  - Israel
  - Saudi Arabia
  - UAE
  - Rest of Middle East & Africa

Competitor Analysis

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The report also provides analysis of leading market participants including:

Key companies Semiconductor Devices for High Temperature revenues in global market, 2017-2022 (Estimated), ($ millions)

Key companies Semiconductor Devices for High Temperature revenues share in global market, 2021 (%)

Key companies Semiconductor Devices for High Temperature sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Semiconductor Devices for High Temperature sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Cree Inc.

Fujitsu Ltd.

Gan Systems Inc.

General Electric

GeneSiC Semiconductor

Infineon Technologies

NXP Semiconductors

Qorvo

Renesas Electronics

Texas Instruments

Toshiba

Allegro Microsystems Llc

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