

**Global Power Semiconductor Market By Material (SiC, GaN, Others), By Product (Power MOSFET, IGBT, Thyristor, Power Diode, Others), By Industry Vertical (IT and Telecom, Aerospace and Defense, Industrial, Energy and Power, Electronics, Automotive, Healthcare): Global Opportunity Analysis and Industry Forecast, 2023-2032**

Market Report | 2023-07-01 | 430 pages | Allied Market Research

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**Report description:**

The power semiconductor market was valued at \$48,870.0 million in 2022, and is projected to reach \$75,114.7 million by 2032, registering a CAGR of 4.51% from 2023 to 2032.

The power semiconductor market refers to the global industry involved in the production, distribution, and sale of power semiconductor devices and components. Power semiconductors are electronic devices specifically designed to handle high power levels in electrical circuits. They play a crucial role in various applications, including power electronics, renewable energy systems, electric vehicles, industrial automation, and more. The market for power semiconductors has witnessed significant growth in recent years due to the increasing demand for energy-efficient technologies, the transition towards renewable energy sources, and the rapid adoption of electric vehicles.

The power semiconductor market is segmented on the basis of material, product, industry vertical, and region. On the basis of material, the market is fragmented into SiC, GaN and others. On the basis of product, the market is segregated into power MOSFET, IGBT, Thyristor, power diode, and others. By industry vertical, the market is divided into IT & telecom, aerospace & defense, industrial, energy & power, electronics, automotive, and healthcare.

Region wise, the wireless microphone market trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (UK, Germany, France, and rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa).

The key players profiled in the report include Fujitsu Limited, Infineon Technologies, Maxim Integrated, Microchip Technology, NXP

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Semiconductors, ON Semiconductor Corporation, Renesas Electronics Corporation, STMicroelectronics, Texas Instruments, and Toshiba Corporation are provided in this report.□

#### Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the global power semiconductor market analysis from 2022 to 2032 to identify the prevailing global power semiconductor market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the global power semiconductor market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global global power semiconductor market trends, key players, market segments, application areas, and market growth strategies.

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- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Expanded list for Company Profiles
- Historic market data
- Market share analysis of players at global/region/country level

#### Key Market Segments

##### By Product

- Silicon Carbonate (SiC)
- Gallium Nitride (GaN)
- Others

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#### By Application

- IT and Telecommunication
- Consumer Electronics
- Automotive
- Aerospace and Defense
- Transportation
- Medical
- Energy and Power
- Others

#### By Component

- Discrete
- Module
- Power Integrated Circuits

#### By Region

- North America
- U.S.
- CANADA
- MEXICO
- Europe
- UK
- GERMANY
- FRANCE
- Rest of Europe
- Asia-Pacific
- CHINA
- JAPAN
- INDIA
- SOUTH KOREA
- Rest of Asia Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- ON Semiconductor Corporation
- Renesas Electronics
- Toshiba Corporation
- NXP Semiconductors N.V.
- Fuji Electric Co., Ltd.
- Infineon Technologies AG
- Texas Instruments Inc.
- STMicroelectronics N.V.
- Mitsubishi Electric Corporation.
- Hitachi, Ltd.

#### **Table of Contents:**

#### CHAPTER 1: INTRODUCTION

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- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research Methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models
- CHAPTER 2: EXECUTIVE SUMMARY
  - 2.1. CXO Perspective
- CHAPTER 3: MARKET OVERVIEW
  - 3.1. Market definition and scope
  - 3.2. Key findings
    - 3.2.1. Top impacting factors
    - 3.2.2. Top investment pockets
  - 3.3. Porter's five forces analysis
    - 3.3.1. Moderate bargaining power of suppliers
    - 3.3.2. High threat of new entrants
    - 3.3.3. Moderate threat of substitutes
    - 3.3.4. Moderate intensity of rivalry
    - 3.3.5. High bargaining power of buyers
  - 3.4. Market dynamics
    - 3.4.1. Drivers
      - 3.4.1.1. Increase in use of solar photovoltaic panels to generate electricity
      - 3.4.1.2. Surge in demand for power electronics modules across various industry verticals
    - 3.4.2. Restraints
      - 3.4.2.1. Intricacy in production network and planning cycle of SiC semiconductor innovation
    - 3.4.3. Opportunities
      - 3.4.3.1. HVDC and smart grid initiatives by the government
  - 3.5. COVID-19 Impact Analysis on the market
- CHAPTER 4: GLOBAL POWER SEMICONDUCTOR MARKET, BY MATERIAL
  - 4.1. Overview
    - 4.1.1. Market size and forecast
  - 4.2. SiC
    - 4.2.1. Key market trends, growth factors and opportunities
    - 4.2.2. Market size and forecast, by region
    - 4.2.3. Market share analysis by country
  - 4.3. GaN
    - 4.3.1. Key market trends, growth factors and opportunities
    - 4.3.2. Market size and forecast, by region
    - 4.3.3. Market share analysis by country
  - 4.4. Others
    - 4.4.1. Key market trends, growth factors and opportunities
    - 4.4.2. Market size and forecast, by region
    - 4.4.3. Market share analysis by country

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## CHAPTER 5: GLOBAL POWER SEMICONDUCTOR MARKET, BY PRODUCT

### 5.1. Overview

#### 5.1.1. Market size and forecast

### 5.2. Power MOSFET

#### 5.2.1. Key market trends, growth factors and opportunities

#### 5.2.2. Market size and forecast, by region

#### 5.2.3. Market share analysis by country

### 5.3. IGBT

#### 5.3.1. Key market trends, growth factors and opportunities

#### 5.3.2. Market size and forecast, by region

#### 5.3.3. Market share analysis by country

### 5.4. Thyristor

#### 5.4.1. Key market trends, growth factors and opportunities

#### 5.4.2. Market size and forecast, by region

#### 5.4.3. Market share analysis by country

### 5.5. Power Diode

#### 5.5.1. Key market trends, growth factors and opportunities

#### 5.5.2. Market size and forecast, by region

#### 5.5.3. Market share analysis by country

### 5.6. Others

#### 5.6.1. Key market trends, growth factors and opportunities

#### 5.6.2. Market size and forecast, by region

#### 5.6.3. Market share analysis by country

## CHAPTER 6: GLOBAL POWER SEMICONDUCTOR MARKET, BY INDUSTRY VERTICAL

### 6.1. Overview

#### 6.1.1. Market size and forecast

### 6.2. IT and Telecom

#### 6.2.1. Key market trends, growth factors and opportunities

#### 6.2.2. Market size and forecast, by region

#### 6.2.3. Market share analysis by country

### 6.3. Aerospace and Defense

#### 6.3.1. Key market trends, growth factors and opportunities

#### 6.3.2. Market size and forecast, by region

#### 6.3.3. Market share analysis by country

### 6.4. Industrial

#### 6.4.1. Key market trends, growth factors and opportunities

#### 6.4.2. Market size and forecast, by region

#### 6.4.3. Market share analysis by country

### 6.5. Energy and Power

#### 6.5.1. Key market trends, growth factors and opportunities

#### 6.5.2. Market size and forecast, by region

#### 6.5.3. Market share analysis by country

### 6.6. Electronics

#### 6.6.1. Key market trends, growth factors and opportunities

#### 6.6.2. Market size and forecast, by region

#### 6.6.3. Market share analysis by country

### 6.7. Automotive

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- 6.7.1. Key market trends, growth factors and opportunities
- 6.7.2. Market size and forecast, by region
- 6.7.3. Market share analysis by country
- 6.8. Healthcare
  - 6.8.1. Key market trends, growth factors and opportunities
  - 6.8.2. Market size and forecast, by region
  - 6.8.3. Market share analysis by country
- CHAPTER 7: GLOBAL POWER SEMICONDUCTOR MARKET, BY REGION
  - 7.1. Overview
    - 7.1.1. Market size and forecast By Region
  - 7.2. North America
    - 7.2.1. Key trends and opportunities
    - 7.2.2. Market size and forecast, by Material
    - 7.2.3. Market size and forecast, by Product
    - 7.2.4. Market size and forecast, by Industry Vertical
    - 7.2.5. Market size and forecast, by country
      - 7.2.5.1. U.S.
        - 7.2.5.1.1. Key market trends, growth factors and opportunities
        - 7.2.5.1.2. Market size and forecast, by Material
        - 7.2.5.1.3. Market size and forecast, by Product
        - 7.2.5.1.4. Market size and forecast, by Industry Vertical
      - 7.2.5.2. Canada
        - 7.2.5.2.1. Key market trends, growth factors and opportunities
        - 7.2.5.2.2. Market size and forecast, by Material
        - 7.2.5.2.3. Market size and forecast, by Product
        - 7.2.5.2.4. Market size and forecast, by Industry Vertical
      - 7.2.5.3. Mexico
        - 7.2.5.3.1. Key market trends, growth factors and opportunities
        - 7.2.5.3.2. Market size and forecast, by Material
        - 7.2.5.3.3. Market size and forecast, by Product
        - 7.2.5.3.4. Market size and forecast, by Industry Vertical
  - 7.3. Europe
    - 7.3.1. Key trends and opportunities
    - 7.3.2. Market size and forecast, by Material
    - 7.3.3. Market size and forecast, by Product
    - 7.3.4. Market size and forecast, by Industry Vertical
    - 7.3.5. Market size and forecast, by country
      - 7.3.5.1. UK
        - 7.3.5.1.1. Key market trends, growth factors and opportunities
        - 7.3.5.1.2. Market size and forecast, by Material
        - 7.3.5.1.3. Market size and forecast, by Product
        - 7.3.5.1.4. Market size and forecast, by Industry Vertical
      - 7.3.5.2. Germany
        - 7.3.5.2.1. Key market trends, growth factors and opportunities
        - 7.3.5.2.2. Market size and forecast, by Material
        - 7.3.5.2.3. Market size and forecast, by Product
        - 7.3.5.2.4. Market size and forecast, by Industry Vertical

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- 7.3.5.3. France
  - 7.3.5.3.1. Key market trends, growth factors and opportunities
  - 7.3.5.3.2. Market size and forecast, by Material
  - 7.3.5.3.3. Market size and forecast, by Product
  - 7.3.5.3.4. Market size and forecast, by Industry Vertical
- 7.3.5.4. Rest of Europe
  - 7.3.5.4.1. Key market trends, growth factors and opportunities
  - 7.3.5.4.2. Market size and forecast, by Material
  - 7.3.5.4.3. Market size and forecast, by Product
  - 7.3.5.4.4. Market size and forecast, by Industry Vertical
- 7.4. Asia-Pacific
  - 7.4.1. Key trends and opportunities
  - 7.4.2. Market size and forecast, by Material
  - 7.4.3. Market size and forecast, by Product
  - 7.4.4. Market size and forecast, by Industry Vertical
  - 7.4.5. Market size and forecast, by country
    - 7.4.5.1. China
      - 7.4.5.1.1. Key market trends, growth factors and opportunities
      - 7.4.5.1.2. Market size and forecast, by Material
      - 7.4.5.1.3. Market size and forecast, by Product
      - 7.4.5.1.4. Market size and forecast, by Industry Vertical
    - 7.4.5.2. Japan
      - 7.4.5.2.1. Key market trends, growth factors and opportunities
      - 7.4.5.2.2. Market size and forecast, by Material
      - 7.4.5.2.3. Market size and forecast, by Product
      - 7.4.5.2.4. Market size and forecast, by Industry Vertical
    - 7.4.5.3. India
      - 7.4.5.3.1. Key market trends, growth factors and opportunities
      - 7.4.5.3.2. Market size and forecast, by Material
      - 7.4.5.3.3. Market size and forecast, by Product
      - 7.4.5.3.4. Market size and forecast, by Industry Vertical
    - 7.4.5.4. South Korea
      - 7.4.5.4.1. Key market trends, growth factors and opportunities
      - 7.4.5.4.2. Market size and forecast, by Material
      - 7.4.5.4.3. Market size and forecast, by Product
      - 7.4.5.4.4. Market size and forecast, by Industry Vertical
    - 7.4.5.5. Rest of Asia-Pacific
      - 7.4.5.5.1. Key market trends, growth factors and opportunities
      - 7.4.5.5.2. Market size and forecast, by Material
      - 7.4.5.5.3. Market size and forecast, by Product
      - 7.4.5.5.4. Market size and forecast, by Industry Vertical
- 7.5. LAMEA
  - 7.5.1. Key trends and opportunities
  - 7.5.2. Market size and forecast, by Material
  - 7.5.3. Market size and forecast, by Product
  - 7.5.4. Market size and forecast, by Industry Vertical
  - 7.5.5. Market size and forecast, by country

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- 7.5.5.1. Latin America
  - 7.5.5.1.1. Key market trends, growth factors and opportunities
  - 7.5.5.1.2. Market size and forecast, by Material
  - 7.5.5.1.3. Market size and forecast, by Product
  - 7.5.5.1.4. Market size and forecast, by Industry Vertical
- 7.5.5.2. Middle East
  - 7.5.5.2.1. Key market trends, growth factors and opportunities
  - 7.5.5.2.2. Market size and forecast, by Material
  - 7.5.5.2.3. Market size and forecast, by Product
  - 7.5.5.2.4. Market size and forecast, by Industry Vertical
- 7.5.5.3. Africa
  - 7.5.5.3.1. Key market trends, growth factors and opportunities
  - 7.5.5.3.2. Market size and forecast, by Material
  - 7.5.5.3.3. Market size and forecast, by Product
  - 7.5.5.3.4. Market size and forecast, by Industry Vertical

## CHAPTER 8: COMPETITIVE LANDSCAPE

- 8.1. Introduction
- 8.2. Top winning strategies
- 8.3. Product Mapping of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Top player positioning, 2022

## CHAPTER 9: COMPANY PROFILES

- 9.1. Infineon Technologies AG
  - 9.1.1. Company overview
  - 9.1.2. Key Executives
  - 9.1.3. Company snapshot
  - 9.1.4. Operating business segments
  - 9.1.5. Product portfolio
  - 9.1.6. Business performance
  - 9.1.7. Key strategic moves and developments
- 9.2. Texas Instruments Inc.
  - 9.2.1. Company overview
  - 9.2.2. Key Executives
  - 9.2.3. Company snapshot
  - 9.2.4. Operating business segments
  - 9.2.5. Product portfolio
  - 9.2.6. Business performance
  - 9.2.7. Key strategic moves and developments
- 9.3. STMicroelectronics N.V.
  - 9.3.1. Company overview
  - 9.3.2. Key Executives
  - 9.3.3. Company snapshot
  - 9.3.4. Operating business segments
  - 9.3.5. Product portfolio
  - 9.3.6. Business performance
  - 9.3.7. Key strategic moves and developments

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- 9.4. NXP Semiconductors N.V.
  - 9.4.1. Company overview
  - 9.4.2. Key Executives
  - 9.4.3. Company snapshot
  - 9.4.4. Operating business segments
  - 9.4.5. Product portfolio
  - 9.4.6. Business performance
  - 9.4.7. Key strategic moves and developments
- 9.5. ON Semiconductor Corporation
  - 9.5.1. Company overview
  - 9.5.2. Key Executives
  - 9.5.3. Company snapshot
  - 9.5.4. Operating business segments
  - 9.5.5. Product portfolio
  - 9.5.6. Business performance
  - 9.5.7. Key strategic moves and developments
- 9.6. Mitsubishi Electric Corporation.
  - 9.6.1. Company overview
  - 9.6.2. Key Executives
  - 9.6.3. Company snapshot
  - 9.6.4. Operating business segments
  - 9.6.5. Product portfolio
  - 9.6.6. Business performance
  - 9.6.7. Key strategic moves and developments
- 9.7. Renesas Electronics
  - 9.7.1. Company overview
  - 9.7.2. Key Executives
  - 9.7.3. Company snapshot
  - 9.7.4. Operating business segments
  - 9.7.5. Product portfolio
  - 9.7.6. Business performance
  - 9.7.7. Key strategic moves and developments
- 9.8. Toshiba Corporation
  - 9.8.1. Company overview
  - 9.8.2. Key Executives
  - 9.8.3. Company snapshot
  - 9.8.4. Operating business segments
  - 9.8.5. Product portfolio
  - 9.8.6. Business performance
  - 9.8.7. Key strategic moves and developments
- 9.9. Fuji Electric Co., Ltd.
  - 9.9.1. Company overview
  - 9.9.2. Key Executives
  - 9.9.3. Company snapshot
  - 9.9.4. Operating business segments
  - 9.9.5. Product portfolio
  - 9.9.6. Business performance

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- 9.9.7. Key strategic moves and developments
- 9.10. Hitachi, Ltd.
  - 9.10.1. Company overview
  - 9.10.2. Key Executives
  - 9.10.3. Company snapshot
  - 9.10.4. Operating business segments
  - 9.10.5. Product portfolio
  - 9.10.6. Business performance
  - 9.10.7. Key strategic moves and developments

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