

Global Compound Semiconductor Chip Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G518533BF3E0EN.html>

Date: November 2023

Pages: 109

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

ID: G518533BF3E0EN

Abstracts

The global Compound Semiconductor Chip market size is expected to reach \$ 1156 million by 2029, rising at a market growth of 5.7% CAGR during the forecast period (2023-2029).

The development trend for compound semiconductor chips is focused on several key areas. There is a growing demand for compound semiconductor chips that can integrate multiple functions onto a single chip. This allows for smaller form factors and improved performance in various applications such as telecommunications, consumer electronics, and automotive. Compound semiconductor chips are known for their high power and efficiency compared to traditional silicon-based chips. The trend is to further improve these characteristics by developing new materials and manufacturing processes that can handle higher power densities and reduce energy consumption. Wide bandgap materials such as gallium nitride (GaN) and silicon carbide (SiC) are gaining popularity due to their superior performance in high-power and high-frequency applications. The trend is to develop new chip designs and manufacturing techniques that can fully exploit the potential of these materials.

This report studies the global Compound Semiconductor Chip production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Compound Semiconductor Chip, 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 Compound Semiconductor Chip that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Compound Semiconductor Chip total production and demand, 2018-2029, (K Units)

Global Compound Semiconductor Chip total production value, 2018-2029, (USD Million)

Global Compound Semiconductor Chip production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Compound Semiconductor Chip consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Compound Semiconductor Chip domestic production, consumption, key domestic manufacturers and share

Global Compound Semiconductor Chip production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Compound Semiconductor Chip production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Compound Semiconductor Chip production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Compound Semiconductor Chip 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 Infineon Technologies, Mitsubishi Electric, Sumitomo Electric, Cree Incorporated, STM, Microchip Technology, Efficient Power Conversion, ROHM Semiconductor and Integra Technologies, 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 Compound Semiconductor Chip 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 Compound Semiconductor Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Compound Semiconductor Chip Market, Segmentation by Type

Gallium Arsenide Chips

Indium Phosphide Chips

Gallium Nitride Chips

Silicon Carbide Chips

Others

Global Compound Semiconductor Chip Market, Segmentation by Application

Telecommunications

Aerospace

Medical

Others

Companies Profiled:

Infineon Technologies

Mitsubishi Electric

Sumitomo Electric

Cree Incorporated

STM

Microchip Technology

Efficient Power Conversion

ROHM Semiconductor

Integra Technologies

Qualcomm

Taiwan Semiconductor Manufacturing

MACOM

Panasonic

Exagan

Key Questions Answered

1. How big is the global Compound Semiconductor Chip market?
2. What is the demand of the global Compound Semiconductor Chip market?
3. What is the year over year growth of the global Compound Semiconductor Chip market?
4. What is the production and production value of the global Compound Semiconductor Chip market?
5. Who are the key producers in the global Compound Semiconductor Chip market?

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