

Global GaN HEMT Die Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global GaN HEMT Die market size is expected to reach \$ 56 million by 2029, rising at a market growth of 12.8% CAGR during the forecast period (2023-2029).

Gallium nitride (GaN) transistors offer fundamental advantages over silicon. In particular, the higher critical electrical field makes it very attractive for power semiconductor devices with outstanding specific dynamic on-state resistance and smaller capacitances compared to silicon MOSFETs, which makes GaN HEMTs great for high speed switching applications. Gallium nitride transistors can then be operated with reduced dead-times which results in higher efficiency and enables passive cooling. Operation at high switching frequencies allows the volume of passive components to shrink which improves GaN HEMTs reliability and overall power density.

This report studies the global GaN HEMT Die production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global GaN HEMT Die total production and demand, 2018-2029, (K Units)

Global GaN HEMT Die total production value, 2018-2029, (USD Million)

Global GaN HEMT Die production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global GaN HEMT Die consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: GaN HEMT Die domestic production, consumption, key domestic manufacturers and share

Global GaN HEMT Die production by manufacturer, production, price, value and market

share 2018-2023, (USD Million) & (K Units)

Global GaN HEMT Die production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global GaN HEMT Die production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global GaN HEMT Die 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, WAVEPIA Co., Ltd, GeneSiC (Navitas Semiconductor), Macom, EPC, Microchip, NewSemi Technology and WAVICE, 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 GaN HEMT Die market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/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 GaN HEMT Die Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global GaN HEMT Die Market, Segmentation by Type

8W

15W

35W

50W

60W

20W

25W

Global GaN HEMT Die Market, Segmentation by Application

Ku-band, U/VHF & Broadband Amplifiers

Base Station

Drone & UAV

Radar & Satellite

WiMAX, LTE, WCDMA, GSM

Others

Companies Profiled:

Wolfspeed

WAVEPIA Co., Ltd

GeneSiC (Navitas Semiconductor)

Macom

EPC

Microchip

NewSemi Technology

WAVICE

Key Questions Answered

1. How big is the global GaN HEMT Die market?
2. What is the demand of the global GaN HEMT Die market?
3. What is the year over year growth of the global GaN HEMT Die market?
4. What is the production and production value of the global GaN HEMT Die market?
5. Who are the key producers in the global GaN HEMT Die market?
6. What are the growth factors driving the market demand?

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