

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

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Abstracts

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

GaN-based high-electron-mobility transistors (HEMTs) are superior to conventional silicon (Si) based devices in terms of switching frequency, power rating, thermal capability and efficiency, which are crucial factors to enhance the performances of advanced power converters. This paper addresses some fundamental issues concerning intrinsic features of GaN material and key technology in practical application of GaN-based power switching devices.

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

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

Highlights and key features of the study

Global GaN HEMT Transistors total production and demand, 2018-2029, (M Units)

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

Global GaN HEMT Transistors production by region & country, production, value,

CAGR, 2018-2029, (USD Million) & (M Units)

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

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

Global GaN HEMT Transistors production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (M Units)

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

Global GaN HEMT Transistors production by Application production, value, CAGR, 2018-2029, (USD Million) & (M Units)

This reports profiles key players in the global GaN HEMT Transistors 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, STMicroelectronics, Wolfspeed, Qorvo, Toshiba, GaN Systems, Mitsubishi Electric, Teledyne Defense Electronics and Innoscience, 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 Transistors market

Detailed Segmentation:

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

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global GaN HEMT Transistors Market, Segmentation by Type

LV GaN HEMT Transistors

HV GaN HEMT Transistors

Global GaN HEMT Transistors Market, Segmentation by Application

Automotive

Consumer Electronics

Industrial

Datacom & Telecom

Others

Companies Profiled:

Infineon Technologies

STMicroelectronics

Wolfspeed

Qorvo

Toshiba

GaN Systems

Mitsubishi Electric

Teledyne Defense Electronics

Innoscence

Transphorm

Cambridge GaN Devices

Navitas Semiconductor

Ampleon

Sumitomo Electric

ROHM

PN Junction Semiconductor

Shanghai Cool Semiconductor

Chengdu Danxi Technology

GaNext

KCB Solutions

Key Questions Answered

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

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