

Global GaN HEMT Transistors Market Growth 2023-2029

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Abstracts

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The global GaN HEMT Transistors market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for GaN HEMT Transistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for GaN HEMT Transistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for GaN HEMT Transistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key GaN HEMT Transistors players cover Infineon Technologies, STMicroelectronics, Wolfspeed, Qorvo, Toshiba, GaN Systems, Mitsubishi Electric, Teledyne Defense Electronics and Innoscience, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

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.

LPI (LP Information)' newest research report, the “GaN HEMT Transistors Industry Forecast” looks at past sales and reviews total world GaN HEMT Transistors sales in 2022, providing a comprehensive analysis by region and market sector of projected GaN HEMT Transistors sales for 2023 through 2029. With GaN HEMT Transistors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world GaN HEMT Transistors industry.

This Insight Report provides a comprehensive analysis of the global GaN HEMT Transistors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on GaN HEMT Transistors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global GaN HEMT Transistors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for GaN HEMT Transistors and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global GaN HEMT Transistors.

This report presents a comprehensive overview, market shares, and growth opportunities of GaN HEMT Transistors market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

LV GaN HEMT Transistors

HV GaN HEMT Transistors

Segmentation by application

Automotive

Consumer Electronics

Industrial

Datacom & Telecom

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

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 Addressed in this Report

What is the 10-year outlook for the global GaN HEMT Transistors market?

What factors are driving GaN HEMT Transistors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do GaN HEMT Transistors market opportunities vary by end market size?

How does GaN HEMT Transistors break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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