

Global Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) Market Growth 2023-2029

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Abstracts

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The metal–oxide–semiconductor field-effect transistor is a type of insulated-gate field-effect transistor that is fabricated by the controlled oxidation of a semiconductor, typically silicon. The voltage of the covered gate determines the electrical conductivity of the device; this ability to change conductivity with the amount of applied voltage can be used for amplifying or switching electronic signals.

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

This Insight Report provides a comprehensive analysis of the global Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) 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 Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) portfolios and capabilities,

market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) 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 Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs).

The global Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) 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 Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) 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 Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) 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 Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) players cover Nexperia, Renesas Electronics, Infineon Technologies, Transphorm, Panasonic Electronic, GaN Systems, Efficient Power Conversion Corporation., San'an Optoelectronics and Solid State Devices, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

P-channel Type MOS

N-channel Type MOS

Enhancement MOS

Depletion MOS

Segmentation by application

Consumer Electronics

Automobile Circuit

Communication Device

Industrial Appliances

Charging Equipment

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.

Nexperia

Renesas Electronics

Infineon Technologies

Transphorm

Panasonic Electronic

GaN Systems

Efficient Power Conversion Corporation.

San'an Optoelectronics

Solid State Devices

Texas Instruments

Qorvo

pSemi Corporation

Toshiba Infrastructure Systems & Solutions Corporation

Alpha and Omega Semiconductor

NTT Advanced Technology Corporation

Tektronix

ON Semiconductor

Advance Compound Semiconductors

ST Microelectronics

Wolfspeed

Key Questions Addressed in this Report

What is the 10-year outlook for the global Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) market?

What factors are driving Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) market growth, globally and by region?

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

How do Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) market opportunities vary by end market size?

How does Gallium Nitride Metal-Oxide-Semiconductor Field-effect Transistors(GaN MOSFETs) break out type, application?

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

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