

Global MOSFET Power Transistors Market Size study & Forecast, by End-user Industry (Consumer Electronics, Healthcare, Industrial, Automotive and Transportation, Aerospace and Defense), and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G6BB36AE6BCAEN.html>

Date: April 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G6BB36AE6BCAEN

Abstracts

The global MOSFET Power Transistors Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2029. A power MOSFET is a type of metal-oxide-semiconductor field-effect transistor (MOSFET) that is designed to handle high power levels. It has major advantages across various end-user industries including Consumer Electronics, Healthcare, Industrial, Automotive and Transportation, Aerospace, and Defense. The MOSFET Power Transistors market is expanding because of factors such as the rising adoption of smartphones and tablets and the growing usage of the MOSFET power transistors in consumer electronics

According to Statista in 2022, the global number of smartphone users is anticipated to reach around 1,156.2 million during 2022-2028. Also, the number of mobile users globally in 2021 is 7.1 billion which reached around 7.26 billion by 2026. Whereas rising demand from end-user industries and favorable initiatives by market players create lucrative opportunities for the market. However, complex manufacturing process hampers the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global MOSFET Power Transistors Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to the increasing disposable income of consumers, and rising adoption of consumer electronic devices. Whereas the Asia Pacific is expected to grow with the highest CAGR during the forecast

period, owing to factors such as increasing penetration of market players, growing demand from end-user industries, and demand for consumer electronics

Major market players included in this report are:

Infineon Technologies AG
Renesas Electronics Corporation
Texas Instruments Incorporated
Analog Devices, Inc.
Microchip Technology Inc
NXP Semiconductors.
Broadcom Inc.
Mitsubishi Electric Corporation
Toshiba Corporation
Vishay Intertechnology, Inc.

Recent Developments in the Market:

In March 2022, Toshiba Electronic Devices & Storage Corporation introduced the TPH9R00CQH, a 150V N-channel power MOSFET. It employs the most recent generation process, U-MOSX-H, which is suitable for use in switching power supplies for industrial equipment, such as those used in communications base stations and data centres.

In March 2021, Alpha and Omega Semiconductor announced the availability of new AEC-Q101 qualified 1200V silicon carbide (SiC) MOSFETs. This is ideal for electric vehicle (EV) on-board chargers, motor drive inverters, and off-board charging stations that require high efficiency and reliability.

Global MOSFET Power Transistors Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered End-user Industry, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to

incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By End-user Industry:

Consumer Electronics,
Healthcare,
Industrial,
Automotive and Transportation,
Aerospace and Defense

By Region:

North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

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