

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

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. MOSFET Power Transistors Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. MOSFET Power Transistors Market, by End-User Industry, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL MOSFET POWER TRANSISTORS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL MOSFET POWER TRANSISTORS MARKET DYNAMICS

- 3.1. MOSFET Power Transistors Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising adoption of smartphones and tablets
 - 3.1.1.2. Growing usage of MOSFET power transistors in consumer electronics
 - 3.1.2. Market Challenges
 - 3.1.2.1. Complex manufacturing process
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising demand from end-user industries
 - 3.1.3.2. Favourable initiatives by market players

CHAPTER 4. GLOBAL MOSFET POWER TRANSISTORS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL MOSFET POWER TRANSISTORS MARKET, BY END USER INDUSTRY

- 6.1. Market Snapshot
- 6.2. Global MOSFET Power Transistors Market by End User Industry, Performance - Potential Analysis
- 6.3. Global MOSFET Power Transistors Market Estimates & Forecasts by End User Industry 2019-2029 (USD Billion)
- 6.4. MOSFET Power Transistors Market, Sub Segment Analysis
 - 6.4.1. Consumer Electronics,
 - 6.4.2. Healthcare,
 - 6.4.3. Industrial,
 - 6.4.4. Automotive and Transportation,
 - 6.4.5. Aerospace and Defense

CHAPTER 7. GLOBAL MOSFET POWER TRANSISTORS MARKET, REGIONAL ANALYSIS

- 7.1. MOSFET Power Transistors Market, Regional Market Snapshot
- 7.2. North America MOSFET Power Transistors Market
 - 7.2.1. U.S. MOSFET Power Transistors Market
 - 7.2.1.1. End User industry breakdown estimates & forecasts, 2019-2029
 - 7.2.2. Canada MOSFET Power Transistors Market
- 7.3. Europe MOSFET Power Transistors Market Snapshot
 - 7.3.1. U.K. MOSFET Power Transistors Market
 - 7.3.2. Germany MOSFET Power Transistors Market
 - 7.3.3. France MOSFET Power Transistors Market
 - 7.3.4. Spain MOSFET Power Transistors Market
 - 7.3.5. Italy MOSFET Power Transistors Market
 - 7.3.6. Rest of Europe MOSFET Power Transistors Market
- 7.4. Asia-Pacific MOSFET Power Transistors Market Snapshot
 - 7.4.1. China MOSFET Power Transistors Market
 - 7.4.2. India MOSFET Power Transistors Market
 - 7.4.3. Japan MOSFET Power Transistors Market
 - 7.4.4. Australia MOSFET Power Transistors Market
 - 7.4.5. South Korea MOSFET Power Transistors Market
 - 7.4.6. Rest of Asia Pacific MOSFET Power Transistors Market
- 7.5. Latin America MOSFET Power Transistors Market Snapshot
 - 7.5.1. Brazil MOSFET Power Transistors Market
 - 7.5.2. Mexico MOSFET Power Transistors Market
 - 7.5.3. Rest of Latin America MOSFET Power Transistors Market
- 7.6. Rest of The World MOSFET Power Transistors Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Company Profiles
 - 8.2.1. Infineon Technologies AG
 - 8.2.1.1. Key Information
 - 8.2.1.2. Overview
 - 8.2.1.3. Financial (Subject to Data Availability)
 - 8.2.1.4. Product Summary
 - 8.2.1.5. Recent Developments
 - 8.2.2. Renesas Electronics Corporation
 - 8.2.3. Texas Instruments Incorporated
 - 8.2.4. Analog Devices, Inc.
 - 8.2.5. Microchip Technology Inc

- 8.2.6. NXP Semiconductors.
- 8.2.7. Broadcom Inc.
- 8.2.8. Mitsubishi Electric Corporation
- 8.2.9. Toshiba Corporation
- 8.2.10. Vishay Intertechnology, Inc.

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global MOSFET Power Transistors Market, report scope
- TABLE 2. Global MOSFET Power Transistors Market estimates & forecasts by Region 2019-2029 (USD Billion)
- TABLE 3. Global MOSFET Power Transistors Market estimates & forecasts by End User Industry 2019-2029 (USD Billion)
- TABLE 4. Global MOSFET Power Transistors Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 5. Global MOSFET Power Transistors Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 6. Global MOSFET Power Transistors Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 7. Global MOSFET Power Transistors Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 8. Global MOSFET Power Transistors Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 9. Global MOSFET Power Transistors Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 10. Global MOSFET Power Transistors Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 11. Global MOSFET Power Transistors Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 12. Global MOSFET Power Transistors Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 13. Global MOSFET Power Transistors Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 14. U.S. MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 15. U.S. MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 16. U.S. MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 17. Canada MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 18. Canada MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 19. Canada MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. UK MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 21. UK MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. Germany MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 24. Germany MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. France MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 27. France MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. Italy MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 30. Italy MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Spain MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 33. Spain MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. RoE MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 36. RoE MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. China MOSFET Power Transistors Market estimates & forecasts,

2019-2029 (USD Billion)

TABLE 39. China MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 40. China MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. India MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 42. India MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. India MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. Japan MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 45. Japan MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. Japan MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. South Korea MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 48. South Korea MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. South Korea MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. Australia MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 51. Australia MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. Australia MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. RoAPAC MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 54. RoAPAC MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. RoAPAC MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. Brazil MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 57. Brazil MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 58. Brazil MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. Mexico MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 60. Mexico MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 62. RoLA MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 63. RoLA MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 65. Row MOSFET Power Transistors Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 66. Row MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row MOSFET Power Transistors Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 68. List of secondary sources, used in the study of global MOSFET Power Transistors Market

TABLE 69. List of primary sources, used in the study of global MOSFET Power Transistors Market

TABLE 70. Years considered for the study

TABLE 71. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global MOSFET Power Transistors Market, research methodology
- FIG 2. Global MOSFET Power Transistors Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global MOSFET Power Transistors Market, key trends 2021
- FIG 5. Global MOSFET Power Transistors Market, growth prospects 2022-2029
- FIG 6. Global MOSFET Power Transistors Market, porters 5 force model
- FIG 7. Global MOSFET Power Transistors Market, pest analysis
- FIG 8. Global MOSFET Power Transistors Market, value chain analysis
- FIG 9. Global MOSFET Power Transistors Market by segment, 2019 & 2029 (USD Billion)
- FIG 10. Global MOSFET Power Transistors Market by segment, 2019 & 2029 (USD Billion)
- FIG 11. Global MOSFET Power Transistors Market by segment, 2019 & 2029 (USD Billion)
- FIG 12. Global MOSFET Power Transistors Market by segment, 2019 & 2029 (USD Billion)
- FIG 13. Global MOSFET Power Transistors Market by segment, 2019 & 2029 (USD Billion)
- FIG 14. Global MOSFET Power Transistors Market, regional snapshot 2019 & 2029
- FIG 15. North America MOSFET Power Transistors Market 2019 & 2029 (USD Billion)
- FIG 16. Europe MOSFET Power Transistors Market 2019 & 2029 (USD Billion)
- FIG 17. Asia Pacific MOSFET Power Transistors Market 2019 & 2029 (USD Billion)
- FIG 18. Latin America MOSFET Power Transistors Market 2019 & 2029 (USD Billion)
- FIG 19. Global MOSFET Power Transistors Market, company Market share analysis (2021)

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: 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

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

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6BB36AE6BCAEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970