

Global SMD MOSFET Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G24B3CD0E5E1EN.html>

Date: May 2023

Pages: 131

Price: US\$ 4,480.00 (Single User License)

ID: G24B3CD0E5E1EN

Abstracts

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

A Surface Mount MOS (Metal-Oxide-Semiconductor) Field Effect Transistor (SMT MOSFET for short) is an electronic device used to amplify or switch current. It is a surface-mount packaged MOSFET that is typically mounted on a printed circuit board (PCB) using surface mount technology (SMT) for automated production and assembly in electronic equipment.

SMT MOSFETs use a MOS structure that includes metal electrodes, oxide layers, and semiconductor materials. It usually has three electrodes: a source, a drain, and a gate, and the flow of current between the source and drain is controlled by applying a voltage across the gate. SMT MOSFETs are commonly used in various electronic applications such as power amplification, switching circuits, power management and driving circuits, etc.

Compared with traditional plug-in packages (such as TO-220, TO-92, etc.), SMT MOSFETs are widely used in modern electronic equipment due to their smaller size, lighter weight and higher integration. They are suitable for high-density PCB and SMT production lines, providing higher assembly efficiency and better performance. At the same time, SMT MOSFETs can also be packaged in a variety of forms, such as SOT-23, SOT-223, DPAK, DFN, etc., to meet the needs of different applications.

This report studies the global SMD MOSFET production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global SMD MOSFET total production and demand, 2018-2029, (K Units)

Global SMD MOSFET total production value, 2018-2029, (USD Million)

Global SMD MOSFET production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global SMD MOSFET consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: SMD MOSFET domestic production, consumption, key domestic manufacturers and share

Global SMD MOSFET production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global SMD MOSFET production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global SMD MOSFET production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global SMD MOSFET 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 Advanced Linear Devices, Central Semiconductor, Comchip Technology, Diodes Incorporated, Diotec Semiconductor, GaN Systems, GeneSiC Semiconductor, Infineon and IXYS, 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 SMD MOSFET market

Detailed Segmentation:

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

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global SMD MOSFET Market, Segmentation by Type

N-Channel

P-Channel

Global SMD MOSFET Market, Segmentation by Application

Power Amplification

Switch Circuit

Power Management

Drive Circuit

Other

Companies Profiled:

Advanced Linear Devices

Central Semiconductor

Comchip Technology

Diodes Incorporated

Diotec Semiconductor

GaN Systems

GeneSiC Semiconductor

Infineon

IXYS

Linear Integrated Systems

Microchip

Micro Commercial Components

Nexperia

onsemi

Panjit

Rectron

Renesas Electronics

ROHM Semiconductor

Shindengen

STMicroelectronics

Taiwan Semiconductor

Texas Instruments

Torex Semiconductor

Toshiba

Transphorm

UnitedSiC

Vishay

Wolfspeed

Xsemi

Key Questions Answered

1. How big is the global SMD MOSFET market?
2. What is the demand of the global SMD MOSFET market?

3. What is the year over year growth of the global SMD MOSFET market?
4. What is the production and production value of the global SMD MOSFET market?
5. Who are the key producers in the global SMD MOSFET market?
6. What are the growth factors driving the market demand?

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