Global Super Junction Mosfet Market Insights, Opportunity, Analysis, Market Shares And Forecast 2016 - 2022

Description: The global super junction MOSFET market is estimated to grow with a CAGR of 13.1% during the forecast period of 2016-2022. In 2015, approx. $1.19 billion revenue was generated by the super junction MOSFET market and is expected to generate approx. $2.81 billion by 2022.

There are many factors that are driving the global market such as decrease in heat dissipation, miniaturization of power adaptors and power supplies, increasing acceptance globally, higher efficiency, and easy manufacturing techniques. One of the major factors leading to the growth of the super junction MOSFET market is the increasing global data center traffic. Owing to expansion of businesses across the world, the demand for space and utilities has increased to an unmatched level. Data centers provide benefits of high quality managed data center services which help businesses to reinforce operation in the specific industries.

The global super junction MOSFET market is majorly segmented on the basis of technology, packaging & material, application and end users. On the basis of technology, the market is sub segmented as conventional power MOSFET, multiple epitaxy technology, deep trench technology and transition in SJ-MOSFET. On the basis of packaging & material, the market of super junction MOSFET is segmented as new fabrication technologies and materials in SJ-MOSFET. On the basis of application, the market of super junction MOSFET is categorized into power supply, industrial, lighting, display and Ev/Hev supplies. On the basis of end users, the market is divided into desktop supply, game console AC/DC, laptops AC/DC, tablets AC/DC, uninterruptable power supplies, switched-mode power supply, photovoltaic inverters and server power supply.

One of the major restraints available in the market is the Availability of alternatives products. A major opportunity available in the market is the growing smart grid infrastructure, which may act as a major help for the companies operating in the market.

Geographically, the market is segmented into North America, Europe, APAC and RoW. Asia Pacific is expected to be the dominant market and accounts for a huge market share of 39% in the global market. Asia Pacific is a rapidly expanding market, owing to factors such as the rising demand for electric vehicles, advancing and developing energy industry, and rising investments in the sector of high-speed rail. The flourishing and expending electronic manufacturing factories in countries such as South Korea, China and Taiwan are also projected to boost the market for super junction MOSFET in the region.

Some of the major market players are Fujitsu Limited, Alpha & Omega Semiconductor Limited, Toshiba Corporation, Fairchild Semiconductor International, Inc., Renesas Electronics Corporation, Fuji Electric Co., Ltd., Icemos Technology Corporation, Efficient Power Conversion Corporation, International Rectifiers, Nxp Semiconductors, Vishay Intertechnologies Inc, On Semiconductor, Rohm Co., Ltd., Stmicro electronics N.V., Infineon Technologies Ag. Acquisitions, mergers, technological advancements are the key strategies adopted by the market players to sustain in the market. In 2015, Alpha and Omega Semiconductor Limited a global designer, developer and worldwide supplier of a broad range of power semiconductors and power ICs, had announced to enter into a preliminary agreement with the state authority of Chongqing, China, for an agreement for a new state-of-the-art power semiconductor manufacturing.

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