

ESD Suppressors Market - Global Outlook and Forecast 2022-2028

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Abstracts

Even if an IC or ASIC makes it through the manufacturing process, it may struggle to succeed when it is used as intended. Engineers and designers need to consider which protective components to use to ensure survivability. Such protective components can consist of isolation circuits, filtering circuits, and suppression components, such as multilayer varistors, silicon diodes, and polymer-based suppressors.

By clamping the ESD voltage to a level that allows the sensitive circuit to survive, suppression components protect the circuit. The suppressors, which connect parallel with the signal lines, connect the ESD voltage and push or pull the majority of the ESD current away from the data line and protected chip to the suitable reference--typically, the power rail and the ground.

Different ESD Suppressors are designed for different applications. Understanding the importance and impact the ESD component adds to the system or overall circuit behavior is critical. In high-speed digital designs, ESD suppression circuits can have dramatic and undesirable effects on signal integrity. Circuit protection considerations should be properly analyzed in the early stages of design to minimize effects on signal integrity.

This report contains market size and forecasts of ESD Suppressors in global, including the following market information:

Global ESD Suppressors Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global ESD Suppressors Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five ESD Suppressors companies in 2021 (%)

The global ESD Suppressors market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Diode Array Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of ESD Suppressors include ON Semiconductor, Vishay, Nexperia, Lrttelfuse, Microsemi, STMicroelectronics, Diodes Incorporated, Bourns and Infineon Technologies AG, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the ESD Suppressors manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global ESD Suppressors Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global ESD Suppressors Market Segment Percentages, by Type, 2021 (%)

Diode Array

Polymer

TVS

Zener

Global ESD Suppressors Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global ESD Suppressors Market Segment Percentages, by Application, 2021 (%)

Commercial

Industrial

Household Electric Appliances

Automotive

Global ESD Suppressors Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global ESD Suppressors Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies ESD Suppressors revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies ESD Suppressors revenues share in global market, 2021 (%)

Key companies ESD Suppressors sales in global market, 2017-2022 (Estimated), (K Units)

Key companies ESD Suppressors sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

ON Semiconductor

Vishay

Nexperia

Lrttelfuse

Microsemi

STMicroelectronics

Diodes Incorporated

Bourns

Infineon Technologies AG

Texas Instruments

Toshiba

Components

Comchip Technology

Semiconductor

Murata Manufacturing

NXP Semiconductors

Alpha and Omega

AVX

Central Semiconductor

Cooper Industries

Diotec Semiconductor AG

Eaton

Good-Ark Semiconductor

Kamaya Electric

KOA Speer

Electronics

Micro Commercial

Taiwan Semiconductor

TE Connectivity

Union Semiconductor

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