

Crystal Diodes Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/C47916DE9E4DEN.html>

Date: April 2022

Pages: 120

Price: US\$ 3,250.00 (Single User License)

ID: C47916DE9E4DEN

Abstracts

The main feature of a crystal diode is an electronic component that has a nonlinear current-voltage characteristic and only transmits current in one direction. It is a device with 2 terminals joined by 1 part number and has the property of making current flow or not flowing according to the direction of the applied voltage. The crystal diode is a PN junction formed by a p-type semiconductor and an n-type semiconductor, and a space charge layer is formed on both sides of the interface, and a self-built electric field is built. When there is no applied voltage, the diffusion current caused by the difference in carrier concentration on both sides of the PN junction is equal to the drift current caused by the self-built electric field and is in an electrical equilibrium state.

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

Global Crystal Diodes Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Crystal Diodes Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Crystal Diodes companies in 2021 (%)

The global Crystal Diodes market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

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

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

The global key manufacturers of Crystal Diodes include ABB, ST Microelectronics, Murata, NTE Electronics, Poseico, Microsemi, Panasonic, Hitachi and ON Semiconductor, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Crystal Diodes 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 Crystal Diodes Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Crystal Diodes Market Segment Percentages, by Type, 2021 (%)

Germanium

Silicon

Others

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

Global Crystal Diodes Market Segment Percentages, by Application, 2021 (%)

Radio Demodulation

Power Conversion

Reverse Voltage Protection

Overvoltage Protection

Others

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

Global Crystal Diodes 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 Crystal Diodes revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Crystal Diodes revenues share in global market, 2021 (%)

Key companies Crystal Diodes sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Crystal Diodes sales share in global market, 2021 (%)

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

ABB

ST Microelectronics

Murata

NTE Electronics

Poseico

Microsemi

Panasonic

Hitachi

ON Semiconductor

Diodes Inc

Crydom

United Detector Technology

DITEK Corporation

American Microsemiconductor

SEMICOA

Opto Diode Corporation

API Technologies

Vishay

Littelfuse

Clairex Technologies

Infineon Technologies

Avago

NXP

Micro Lamps

Knox Semiconductor

Mitsubishi

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