

Global Fast Recovery Epitaxial Diode (FRED) Market Growth 2023-2029

<https://marketpublishers.com/r/G28EB13C927DEN.html>

Date: February 2023

Pages: 109

Price: US\$ 3,660.00 (Single User License)

ID: G28EB13C927DEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Fast recovery epitaxial diode (FRED) is mainly used in high frequency switching circuits. It adopts an epitaxial PiN structure, and its reverse recovery time can be less than 50 ns, generally tens to hundreds of ns, and the forward voltage drop can be reduced. To about 0.9V, generally less than 2.0V, its reverse withstand voltage is mostly below 1200V, which can be used for occasions where the switching frequency is 20-50kHz.

LPI (LP Information)' newest research report, the "Fast Recovery Epitaxial Diode (FRED) Industry Forecast" looks at past sales and reviews total world Fast Recovery Epitaxial Diode (FRED) sales in 2022, providing a comprehensive analysis by region and market sector of projected Fast Recovery Epitaxial Diode (FRED) sales for 2023 through 2029. With Fast Recovery Epitaxial Diode (FRED) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Fast Recovery Epitaxial Diode (FRED) industry.

This Insight Report provides a comprehensive analysis of the global Fast Recovery Epitaxial Diode (FRED) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Fast Recovery Epitaxial Diode (FRED) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Fast Recovery Epitaxial Diode (FRED) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for Fast Recovery Epitaxial Diode (FRED) and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Fast Recovery Epitaxial Diode (FRED).

The global Fast Recovery Epitaxial Diode (FRED) market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Fast Recovery Epitaxial Diode (FRED) is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Fast Recovery Epitaxial Diode (FRED) is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Fast Recovery Epitaxial Diode (FRED) is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Fast Recovery Epitaxial Diode (FRED) players cover Infineon Technologies, Microsemi (Microchip), Vishay Intertechnology, STMicroelectronics, Littelfuse, Nell Power Semiconductor, ROHM, Powersem and Macmic Science & Technology, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Fast Recovery Epitaxial Diode (FRED) market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

FRED Chips

FRED Discretes

FRED Modules

Segmentation by application

Industrial Control

New Energy Power Generation

Electric Vehicle

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Infineon Technologies

Microsemi (Microchip)

Vishay Intertechnology

STMicroelectronics

Littelfuse

Nell Power Semiconductor

ROHM

Powersem

Macmic Science & Technology

Yangjie Electronic Technology

Guoyu Electronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Fast Recovery Epitaxial Diode (FRED) market?

What factors are driving Fast Recovery Epitaxial Diode (FRED) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Fast Recovery Epitaxial Diode (FRED) market opportunities vary by end market size?

How does Fast Recovery Epitaxial Diode (FRED) break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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