

Global Fast Recovery Diodes Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G6AB0A094102EN.html>

Date: April 2026

Pages: 126

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

ID: G6AB0A094102EN

Abstracts

The global Fast Recovery Diodes market size is expected to reach \$ 1146 million by 2032, rising at a market growth of 4.8% CAGR during the forecast period (2026-2032).

In 2025, global Fast Recovery Diodes production reached approximately 16,930.5 M Unit, with an average price of US\$46.24 per K unit.

A fast recovery diode (FRD) is a semiconductor device with fast reverse recovery characteristics. It employs a PIN structure design to reduce stored charge, shortening the reverse recovery time (t_{rr}) to tens to hundreds of nanoseconds. Its core parameters include forward voltage drop (0.4V-1.1V), reverse breakdown voltage (up to several kilovolts), and reverse recovery charge (Q_{rr}). Main package types include TO-220 and TO-3P. Fast/ultra-fast recovery devices can reduce t_{rr} to the nanosecond level, thereby reducing switching losses caused by reverse recovery and supporting higher operating frequencies in high-frequency switching circuits such as switching power supplies, AC-DC converters, and inverters. In engineering, rectifiers with t_{rr} ? 500 ns are often referred to as 'fast'.

From a competitive landscape perspective, fast recovery diodes still largely fall under the 'power discrete/rectifier' sector, with competitors exhibiting a structure of 'global IDMs + strong power device companies + regional discrete device IDMs.' Major international manufacturers are frequently identified as core players in various market research and product portfolios, including Infineon, STMicroelectronics, Onsemi, ROHM, Nexperia, and Vishay. Their product differentiation primarily lies in process platforms (FRED/ultrafast/soft recovery), automotive-grade and high-reliability certifications, packaging and thermal design, and synergy with IGBTs/modules. In the Chinese market, on the one hand, numerous discrete device companies are supplying

low- to medium-voltage fast recovery rectifiers on a large scale; on the other hand, local IDMs with wafer manufacturing and packaging capabilities are continuously expanding their product lines.

From a regional perspective, the demand and supply of fast recovery diodes (and more broadly, rectifiers/power discrete devices) are clearly concentrated in Asia. The Asia-Pacific region is typically the largest regional market. This is because Asia-Pacific is not only the core region for growth in consumer electronics and automotive electrification, but also a major cluster for discrete device manufacturing and packaging (China, South Korea, Taiwan, etc.). From a broader semiconductor industry perspective, Asia-Pacific remains the most concentrated regional hub for global wafer production and industrial ecosystem. This concentration of manufacturing and supply chains will continue to strengthen the production capacity and supporting advantages of power discrete devices such as fast recovery diodes in the Asia-Pacific region.

From a technological perspective, the main focus of fast recovery diodes (FRDs/URDs) remains 'making reverse recovery faster and softer within the silicon PiN system, while keeping forward voltage drop and leakage current within acceptable ranges.' In recent years, the industry's focus has shifted from simply pursuing shorter trr (transient recurrent) to emphasizing a comprehensive trade-off between 'softness' and 'low Qrr' (transient recurrent), as well as 'manufacturability and consistency.' On one hand, efforts continue to be made in carrier lifetime engineering, introducing recombination centers through electron/particle irradiation or heavy metal diffusion (such as Pt/Au) to reduce stored charge and compress recovery losses. On the other hand, more refined methods, such as 'local/axial lifetime profiling,' are being adopted to smooth the current profile at the end of the recovery process, adapting to power supply and drive scenarios with higher switching frequencies and higher di/dt. Simultaneously, product forms are evolving towards platform-based solutions that are 'closer to system requirements': automotive-grade ultrafast recovery devices (emphasizing high temperature, reliability, and consistency) for applications such as automotive DC/DC converters and OBC secondary-side rectification are gradually increasing, and more and more manufacturers are incorporating FRDs (Fuel Receiver Detectors) into standard solutions for high-frequency scenarios such as charging, UPS, motor drives, and air conditioning inverters, emphasizing the system benefits brought by miniaturized packaging and increased switching frequencies. More noteworthy is the widening of the boundaries: in areas such as PFC and OBC where higher efficiency/higher frequency are pursued, SiC Schottky diodes, with their advantages of near-zero reverse recovery charge and lower temperature sensitivity, are continuously replacing some of the incremental demand for silicon ultrafast recovery diodes, making the technological upgrade of FRDs more

inclined towards 'the most cost-effective soft recovery solution' and 'reliable supply for IGBT matching/mid-frequency power range'.

This report studies the global Fast Recovery Diodes production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fast Recovery Diodes and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Fast Recovery Diodes that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Fast Recovery Diodes total production and demand, 2021-2032, (Million Units)

Global Fast Recovery Diodes total production value, 2021-2032, (USD Million)

Global Fast Recovery Diodes production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Fast Recovery Diodes consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Fast Recovery Diodes domestic production, consumption, key domestic manufacturers and share

Global Fast Recovery Diodes production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Fast Recovery Diodes production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Fast Recovery Diodes production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Fast Recovery Diodes 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 Vishay, ROHM, Diodes Incorporated, PANJIT, Yangjie Electronic, ST Microelectronics, Shindengen, China Resources Microelectronics, ON Semiconductor, Microchip, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Fast Recovery Diodes market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/K Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Fast Recovery Diodes Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Fast Recovery Diodes Market, Segmentation by Type:

Single FRD

Dual Common FRD

Global Fast Recovery Diodes Market, Segmentation by Technology:

Pt Diffusion

Electron Irradiation

Controlled Axial Lifetime

Global Fast Recovery Diodes Market, Segmentation by Performance:

Fast

Ultrafast

Global Fast Recovery Diodes Market, Segmentation by Application:

Automotive & Transportation

Consumer Electronics

Renewable and Power Grid

Industrial Control

Others

Companies Profiled:

Vishay

ROHM

Diodes Incorporated

PANJIT

Yangjie Electronic

ST Microelectronics

Shindengen

China Resources Microelectronics

ON Semiconductor

Microchip

Infineon

Littelfuse

Nexperia

WeEn Semiconductors

Sanken Electric

Key Questions Answered:

1. How big is the global Fast Recovery Diodes market?
2. What is the demand of the global Fast Recovery Diodes market?
3. What is the year over year growth of the global Fast Recovery Diodes market?
4. What is the production and production value of the global Fast Recovery Diodes market?
5. Who are the key producers in the global Fast Recovery Diodes market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Fast Recovery Diodes Introduction
- 1.2 World Fast Recovery Diodes Supply & Forecast
 - 1.2.1 World Fast Recovery Diodes Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Fast Recovery Diodes Production (2021-2032)
 - 1.2.3 World Fast Recovery Diodes Pricing Trends (2021-2032)
- 1.3 World Fast Recovery Diodes Production by Region (Based on Production Site)
 - 1.3.1 World Fast Recovery Diodes Production Value by Region (2021-2032)
 - 1.3.2 World Fast Recovery Diodes Production by Region (2021-2032)
 - 1.3.3 World Fast Recovery Diodes Average Price by Region (2021-2032)
 - 1.3.4 North America Fast Recovery Diodes Production (2021-2032)
 - 1.3.5 Europe Fast Recovery Diodes Production (2021-2032)
 - 1.3.6 China Fast Recovery Diodes Production (2021-2032)
 - 1.3.7 Japan Fast Recovery Diodes Production (2021-2032)
 - 1.3.8 India Fast Recovery Diodes Production (2021-2032)
 - 1.3.9 Southeast Asia Fast Recovery Diodes Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Fast Recovery Diodes Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Fast Recovery Diodes Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Fast Recovery Diodes Demand (2021-2032)
- 2.2 World Fast Recovery Diodes Consumption by Region
 - 2.2.1 World Fast Recovery Diodes Consumption by Region (2021-2026)
 - 2.2.2 World Fast Recovery Diodes Consumption Forecast by Region (2027-2032)
- 2.3 United States Fast Recovery Diodes Consumption (2021-2032)
- 2.4 China Fast Recovery Diodes Consumption (2021-2032)
- 2.5 Europe Fast Recovery Diodes Consumption (2021-2032)
- 2.6 Japan Fast Recovery Diodes Consumption (2021-2032)
- 2.7 South Korea Fast Recovery Diodes Consumption (2021-2032)
- 2.8 ASEAN Fast Recovery Diodes Consumption (2021-2032)
- 2.9 India Fast Recovery Diodes Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Fast Recovery Diodes Production Value by Manufacturer (2021-2026)
- 3.2 World Fast Recovery Diodes Production by Manufacturer (2021-2026)
- 3.3 World Fast Recovery Diodes Average Price by Manufacturer (2021-2026)
- 3.4 Fast Recovery Diodes Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Fast Recovery Diodes Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Fast Recovery Diodes in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Fast Recovery Diodes in 2025
- 3.6 Fast Recovery Diodes Market: Overall Company Footprint Analysis
 - 3.6.1 Fast Recovery Diodes Market: Region Footprint
 - 3.6.2 Fast Recovery Diodes Market: Company Product Type Footprint
 - 3.6.3 Fast Recovery Diodes Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Fast Recovery Diodes Production Value Comparison
 - 4.1.1 United States VS China: Fast Recovery Diodes Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Fast Recovery Diodes Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Fast Recovery Diodes Production Comparison
 - 4.2.1 United States VS China: Fast Recovery Diodes Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Fast Recovery Diodes Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Fast Recovery Diodes Consumption Comparison
 - 4.3.1 United States VS China: Fast Recovery Diodes Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Fast Recovery Diodes Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Fast Recovery Diodes Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Fast Recovery Diodes Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Fast Recovery Diodes Production Value (2021-2026)

4.4.3 United States Based Manufacturers Fast Recovery Diodes Production (2021-2026)

4.5 China Based Fast Recovery Diodes Manufacturers and Market Share

4.5.1 China Based Fast Recovery Diodes Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Fast Recovery Diodes Production Value (2021-2026)

4.5.3 China Based Manufacturers Fast Recovery Diodes Production (2021-2026)

4.6 Rest of World Based Fast Recovery Diodes Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Fast Recovery Diodes Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Fast Recovery Diodes Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Fast Recovery Diodes Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Fast Recovery Diodes Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Single FRD

5.2.2 Dual Common FRD

5.3 Market Segment by Type

5.3.1 World Fast Recovery Diodes Production by Type (2021-2032)

5.3.2 World Fast Recovery Diodes Production Value by Type (2021-2032)

5.3.3 World Fast Recovery Diodes Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY TECHNOLOGY

6.1 World Fast Recovery Diodes Market Size Overview by Technology: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Technology

6.2.1 Pt Diffusion

6.2.2 Electron Irradiation

6.2.3 Controlled Axial Lifetime

6.3 Market Segment by Technology

6.3.1 World Fast Recovery Diodes Production by Technology (2021-2032)

6.3.2 World Fast Recovery Diodes Production Value by Technology (2021-2032)

6.3.3 World Fast Recovery Diodes Average Price by Technology (2021-2032)

7 MARKET ANALYSIS BY PERFORMANCE

7.1 World Fast Recovery Diodes Market Size Overview by Performance: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Performance

7.2.1 Fast

7.2.2 Ultrafast

7.3 Market Segment by Performance

7.3.1 World Fast Recovery Diodes Production by Performance (2021-2032)

7.3.2 World Fast Recovery Diodes Production Value by Performance (2021-2032)

7.3.3 World Fast Recovery Diodes Average Price by Performance (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Fast Recovery Diodes Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Automotive & Transportation

8.2.2 Consumer Electronics

8.2.3 Renewable and Power Grid

8.2.4 Industrial Control

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World Fast Recovery Diodes Production by Application (2021-2032)

8.3.2 World Fast Recovery Diodes Production Value by Application (2021-2032)

8.3.3 World Fast Recovery Diodes Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Vishay

9.1.1 Vishay Details

9.1.2 Vishay Major Business

- 9.1.3 Vishay Fast Recovery Diodes Product and Services
- 9.1.4 Vishay Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 Vishay Recent Developments/Updates
- 9.1.6 Vishay Competitive Strengths & Weaknesses
- 9.2 ROHM
 - 9.2.1 ROHM Details
 - 9.2.2 ROHM Major Business
 - 9.2.3 ROHM Fast Recovery Diodes Product and Services
 - 9.2.4 ROHM Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.2.5 ROHM Recent Developments/Updates
 - 9.2.6 ROHM Competitive Strengths & Weaknesses
- 9.3 Diodes Incorporated
 - 9.3.1 Diodes Incorporated Details
 - 9.3.2 Diodes Incorporated Major Business
 - 9.3.3 Diodes Incorporated Fast Recovery Diodes Product and Services
 - 9.3.4 Diodes Incorporated Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Diodes Incorporated Recent Developments/Updates
 - 9.3.6 Diodes Incorporated Competitive Strengths & Weaknesses
- 9.4 PANJIT
 - 9.4.1 PANJIT Details
 - 9.4.2 PANJIT Major Business
 - 9.4.3 PANJIT Fast Recovery Diodes Product and Services
 - 9.4.4 PANJIT Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 PANJIT Recent Developments/Updates
 - 9.4.6 PANJIT Competitive Strengths & Weaknesses
- 9.5 Yangjie Electronic
 - 9.5.1 Yangjie Electronic Details
 - 9.5.2 Yangjie Electronic Major Business
 - 9.5.3 Yangjie Electronic Fast Recovery Diodes Product and Services
 - 9.5.4 Yangjie Electronic Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Yangjie Electronic Recent Developments/Updates
 - 9.5.6 Yangjie Electronic Competitive Strengths & Weaknesses
- 9.6 ST Microelectronics
 - 9.6.1 ST Microelectronics Details

- 9.6.2 ST Microelectronics Major Business
- 9.6.3 ST Microelectronics Fast Recovery Diodes Product and Services
- 9.6.4 ST Microelectronics Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.6.5 ST Microelectronics Recent Developments/Updates
- 9.6.6 ST Microelectronics Competitive Strengths & Weaknesses
- 9.7 Shindengen
 - 9.7.1 Shindengen Details
 - 9.7.2 Shindengen Major Business
 - 9.7.3 Shindengen Fast Recovery Diodes Product and Services
 - 9.7.4 Shindengen Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Shindengen Recent Developments/Updates
 - 9.7.6 Shindengen Competitive Strengths & Weaknesses
- 9.8 China Resources Microelectronics
 - 9.8.1 China Resources Microelectronics Details
 - 9.8.2 China Resources Microelectronics Major Business
 - 9.8.3 China Resources Microelectronics Fast Recovery Diodes Product and Services
 - 9.8.4 China Resources Microelectronics Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 China Resources Microelectronics Recent Developments/Updates
 - 9.8.6 China Resources Microelectronics Competitive Strengths & Weaknesses
- 9.9 ON Semiconductor
 - 9.9.1 ON Semiconductor Details
 - 9.9.2 ON Semiconductor Major Business
 - 9.9.3 ON Semiconductor Fast Recovery Diodes Product and Services
 - 9.9.4 ON Semiconductor Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 ON Semiconductor Recent Developments/Updates
 - 9.9.6 ON Semiconductor Competitive Strengths & Weaknesses
- 9.10 Microchip
 - 9.10.1 Microchip Details
 - 9.10.2 Microchip Major Business
 - 9.10.3 Microchip Fast Recovery Diodes Product and Services
 - 9.10.4 Microchip Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Microchip Recent Developments/Updates
 - 9.10.6 Microchip Competitive Strengths & Weaknesses
- 9.11 Infineon

- 9.11.1 Infineon Details
- 9.11.2 Infineon Major Business
- 9.11.3 Infineon Fast Recovery Diodes Product and Services
- 9.11.4 Infineon Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.11.5 Infineon Recent Developments/Updates
- 9.11.6 Infineon Competitive Strengths & Weaknesses
- 9.12 Littelfuse
 - 9.12.1 Littelfuse Details
 - 9.12.2 Littelfuse Major Business
 - 9.12.3 Littelfuse Fast Recovery Diodes Product and Services
 - 9.12.4 Littelfuse Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Littelfuse Recent Developments/Updates
 - 9.12.6 Littelfuse Competitive Strengths & Weaknesses
- 9.13 Nexperia
 - 9.13.1 Nexperia Details
 - 9.13.2 Nexperia Major Business
 - 9.13.3 Nexperia Fast Recovery Diodes Product and Services
 - 9.13.4 Nexperia Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Nexperia Recent Developments/Updates
 - 9.13.6 Nexperia Competitive Strengths & Weaknesses
- 9.14 WeEn Semiconductors
 - 9.14.1 WeEn Semiconductors Details
 - 9.14.2 WeEn Semiconductors Major Business
 - 9.14.3 WeEn Semiconductors Fast Recovery Diodes Product and Services
 - 9.14.4 WeEn Semiconductors Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 WeEn Semiconductors Recent Developments/Updates
 - 9.14.6 WeEn Semiconductors Competitive Strengths & Weaknesses
- 9.15 Sanken Electric
 - 9.15.1 Sanken Electric Details
 - 9.15.2 Sanken Electric Major Business
 - 9.15.3 Sanken Electric Fast Recovery Diodes Product and Services
 - 9.15.4 Sanken Electric Fast Recovery Diodes Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 Sanken Electric Recent Developments/Updates
 - 9.15.6 Sanken Electric Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Fast Recovery Diodes Industry Chain
- 10.2 Fast Recovery Diodes Upstream Analysis
 - 10.2.1 Fast Recovery Diodes Core Raw Materials
 - 10.2.2 Main Manufacturers of Fast Recovery Diodes Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Fast Recovery Diodes Production Mode
- 10.6 Fast Recovery Diodes Procurement Model
- 10.7 Fast Recovery Diodes Industry Sales Model and Sales Channels
 - 10.7.1 Fast Recovery Diodes Sales Model
 - 10.7.2 Fast Recovery Diodes Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Fast Recovery Diodes Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Fast Recovery Diodes Production Value by Region (2021-2026) & (USD Million)

Table 3. World Fast Recovery Diodes Production Value by Region (2027-2032) & (USD Million)

Table 4. World Fast Recovery Diodes Production Value Market Share by Region (2021-2026)

Table 5. World Fast Recovery Diodes Production Value Market Share by Region (2027-2032)

Table 6. World Fast Recovery Diodes Production by Region (2021-2026) & (Million Units)

Table 7. World Fast Recovery Diodes Production by Region (2027-2032) & (Million Units)

Table 8. World Fast Recovery Diodes Production Market Share by Region (2021-2026)

Table 9. World Fast Recovery Diodes Production Market Share by Region (2027-2032)

Table 10. World Fast Recovery Diodes Average Price by Region (2021-2026) & (US\$/K Unit)

Table 11. World Fast Recovery Diodes Average Price by Region (2027-2032) & (US\$/K Unit)

Table 12. Fast Recovery Diodes Major Market Trends

Table 13. World Fast Recovery Diodes Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Million Units)

Table 14. World Fast Recovery Diodes Consumption by Region (2021-2026) & (Million Units)

Table 15. World Fast Recovery Diodes Consumption Forecast by Region (2027-2032) & (Million Units)

Table 16. World Fast Recovery Diodes Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Fast Recovery Diodes Producers in 2025

Table 18. World Fast Recovery Diodes Production by Manufacturer (2021-2026) & (Million Units)

Table 19. Production Market Share of Key Fast Recovery Diodes Producers in 2025

Table 20. World Fast Recovery Diodes Average Price by Manufacturer (2021-2026) &

(US\$/K Unit)

Table 21. Global Fast Recovery Diodes Company Evaluation Quadrant

Table 22. World Fast Recovery Diodes Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Fast Recovery Diodes Production Site of Key Manufacturer

Table 24. Fast Recovery Diodes Market: Company Product Type Footprint

Table 25. Fast Recovery Diodes Market: Company Product Application Footprint

Table 26. Fast Recovery Diodes Competitive Factors

Table 27. Fast Recovery Diodes New Entrant and Capacity Expansion Plans

Table 28. Fast Recovery Diodes Mergers & Acquisitions Activity

Table 29. United States VS China Fast Recovery Diodes Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Fast Recovery Diodes Production Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 31. United States VS China Fast Recovery Diodes Consumption Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 32. United States Based Fast Recovery Diodes Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Fast Recovery Diodes Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Fast Recovery Diodes Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Fast Recovery Diodes Production (2021-2026) & (Million Units)

Table 36. United States Based Manufacturers Fast Recovery Diodes Production Market Share (2021-2026)

Table 37. China Based Fast Recovery Diodes Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Fast Recovery Diodes Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Fast Recovery Diodes Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Fast Recovery Diodes Production, (2021-2026) & (Million Units)

Table 41. China Based Manufacturers Fast Recovery Diodes Production Market Share (2021-2026)

Table 42. Rest of World Based Fast Recovery Diodes Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Fast Recovery Diodes Production Value,

(2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Fast Recovery Diodes Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Fast Recovery Diodes Production, (2021-2026) & (Million Units)

Table 46. Rest of World Based Manufacturers Fast Recovery Diodes Production Market Share (2021-2026)

Table 47. World Fast Recovery Diodes Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Fast Recovery Diodes Production by Type (2021-2026) & (Million Units)

Table 49. World Fast Recovery Diodes Production by Type (2027-2032) & (Million Units)

Table 50. World Fast Recovery Diodes Production Value by Type (2021-2026) & (USD Million)

Table 51. World Fast Recovery Diodes Production Value by Type (2027-2032) & (USD Million)

Table 52. World Fast Recovery Diodes Average Price by Type (2021-2026) & (US\$/K Unit)

Table 53. World Fast Recovery Diodes Average Price by Type (2027-2032) & (US\$/K Unit)

Table 54. World Fast Recovery Diodes Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Table 55. World Fast Recovery Diodes Production by Technology (2021-2026) & (Million Units)

Table 56. World Fast Recovery Diodes Production by Technology (2027-2032) & (Million Units)

Table 57. World Fast Recovery Diodes Production Value by Technology (2021-2026) & (USD Million)

Table 58. World Fast Recovery Diodes Production Value by Technology (2027-2032) & (USD Million)

Table 59. World Fast Recovery Diodes Average Price by Technology (2021-2026) & (US\$/K Unit)

Table 60. World Fast Recovery Diodes Average Price by Technology (2027-2032) & (US\$/K Unit)

Table 61. World Fast Recovery Diodes Production Value by Performance, (USD Million), 2021 & 2025 & 2032

Table 62. World Fast Recovery Diodes Production by Performance (2021-2026) & (Million Units)

Table 63. World Fast Recovery Diodes Production by Performance (2027-2032) & (Million Units)

Table 64. World Fast Recovery Diodes Production Value by Performance (2021-2026) & (USD Million)

Table 65. World Fast Recovery Diodes Production Value by Performance (2027-2032) & (USD Million)

Table 66. World Fast Recovery Diodes Average Price by Performance (2021-2026) & (US\$/K Unit)

Table 67. World Fast Recovery Diodes Average Price by Performance (2027-2032) & (US\$/K Unit)

Table 68. World Fast Recovery Diodes Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Fast Recovery Diodes Production by Application (2021-2026) & (Million Units)

Table 70. World Fast Recovery Diodes Production by Application (2027-2032) & (Million Units)

Table 71. World Fast Recovery Diodes Production Value by Application (2021-2026) & (USD Million)

Table 72. World Fast Recovery Diodes Production Value by Application (2027-2032) & (USD Million)

Table 73. World Fast Recovery Diodes Average Price by Application (2021-2026) & (US\$/K Unit)

Table 74. World Fast Recovery Diodes Average Price by Application (2027-2032) & (US\$/K Unit)

Table 75. Vishay Basic Information, Manufacturing Base and Competitors

Table 76. Vishay Major Business

Table 77. Vishay Fast Recovery Diodes Product and Services

Table 78. Vishay Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Vishay Recent Developments/Updates

Table 80. Vishay Competitive Strengths & Weaknesses

Table 81. ROHM Basic Information, Manufacturing Base and Competitors

Table 82. ROHM Major Business

Table 83. ROHM Fast Recovery Diodes Product and Services

Table 84. ROHM Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. ROHM Recent Developments/Updates

Table 86. ROHM Competitive Strengths & Weaknesses

Table 87. Diodes Incorporated Basic Information, Manufacturing Base and Competitors

- Table 88. Diodes Incorporated Major Business
- Table 89. Diodes Incorporated Fast Recovery Diodes Product and Services
- Table 90. Diodes Incorporated Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Diodes Incorporated Recent Developments/Updates
- Table 92. Diodes Incorporated Competitive Strengths & Weaknesses
- Table 93. PANJIT Basic Information, Manufacturing Base and Competitors
- Table 94. PANJIT Major Business
- Table 95. PANJIT Fast Recovery Diodes Product and Services
- Table 96. PANJIT Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. PANJIT Recent Developments/Updates
- Table 98. PANJIT Competitive Strengths & Weaknesses
- Table 99. Yangjie Electronic Basic Information, Manufacturing Base and Competitors
- Table 100. Yangjie Electronic Major Business
- Table 101. Yangjie Electronic Fast Recovery Diodes Product and Services
- Table 102. Yangjie Electronic Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Yangjie Electronic Recent Developments/Updates
- Table 104. Yangjie Electronic Competitive Strengths & Weaknesses
- Table 105. ST Microelectronics Basic Information, Manufacturing Base and Competitors
- Table 106. ST Microelectronics Major Business
- Table 107. ST Microelectronics Fast Recovery Diodes Product and Services
- Table 108. ST Microelectronics Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. ST Microelectronics Recent Developments/Updates
- Table 110. ST Microelectronics Competitive Strengths & Weaknesses
- Table 111. Shindengen Basic Information, Manufacturing Base and Competitors
- Table 112. Shindengen Major Business
- Table 113. Shindengen Fast Recovery Diodes Product and Services
- Table 114. Shindengen Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Shindengen Recent Developments/Updates
- Table 116. Shindengen Competitive Strengths & Weaknesses
- Table 117. China Resources Microelectronics Basic Information, Manufacturing Base and Competitors

Table 118. China Resources Microelectronics Major Business

Table 119. China Resources Microelectronics Fast Recovery Diodes Product and Services

Table 120. China Resources Microelectronics Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. China Resources Microelectronics Recent Developments/Updates

Table 122. China Resources Microelectronics Competitive Strengths & Weaknesses

Table 123. ON Semiconductor Basic Information, Manufacturing Base and Competitors

Table 124. ON Semiconductor Major Business

Table 125. ON Semiconductor Fast Recovery Diodes Product and Services

Table 126. ON Semiconductor Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. ON Semiconductor Recent Developments/Updates

Table 128. ON Semiconductor Competitive Strengths & Weaknesses

Table 129. Microchip Basic Information, Manufacturing Base and Competitors

Table 130. Microchip Major Business

Table 131. Microchip Fast Recovery Diodes Product and Services

Table 132. Microchip Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Microchip Recent Developments/Updates

Table 134. Microchip Competitive Strengths & Weaknesses

Table 135. Infineon Basic Information, Manufacturing Base and Competitors

Table 136. Infineon Major Business

Table 137. Infineon Fast Recovery Diodes Product and Services

Table 138. Infineon Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Infineon Recent Developments/Updates

Table 140. Infineon Competitive Strengths & Weaknesses

Table 141. Littelfuse Basic Information, Manufacturing Base and Competitors

Table 142. Littelfuse Major Business

Table 143. Littelfuse Fast Recovery Diodes Product and Services

Table 144. Littelfuse Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Littelfuse Recent Developments/Updates

Table 146. Littelfuse Competitive Strengths & Weaknesses

Table 147. Nexperia Basic Information, Manufacturing Base and Competitors

Table 148. Nexperia Major Business

- Table 149. Nexperia Fast Recovery Diodes Product and Services
- Table 150. Nexperia Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 151. Nexperia Recent Developments/Updates
- Table 152. Nexperia Competitive Strengths & Weaknesses
- Table 153. WeEn?Semiconductors Basic Information, Manufacturing Base and Competitors
- Table 154. WeEn?Semiconductors Major Business
- Table 155. WeEn?Semiconductors Fast Recovery Diodes Product and Services
- Table 156. WeEn?Semiconductors Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. WeEn?Semiconductors Recent Developments/Updates
- Table 158. WeEn?Semiconductors Competitive Strengths & Weaknesses
- Table 159. Sanken Electric Basic Information, Manufacturing Base and Competitors
- Table 160. Sanken Electric Major Business
- Table 161. Sanken Electric Fast Recovery Diodes Product and Services
- Table 162. Sanken Electric Fast Recovery Diodes Production (Million Units), Price (US\$/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 163. Sanken Electric Recent Developments/Updates
- Table 164. Sanken Electric Competitive Strengths & Weaknesses
- Table 165. Global Key Players of Fast Recovery Diodes Upstream (Raw Materials)
- Table 166. Global Fast Recovery Diodes Typical Customers
- Table 167. Fast Recovery Diodes Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Fast Recovery Diodes Picture

Figure 2. World Fast Recovery Diodes Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Fast Recovery Diodes Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Fast Recovery Diodes Production (2021-2032) & (Million Units)

Figure 5. World Fast Recovery Diodes Average Price (2021-2032) & (US\$/K Unit)

Figure 6. World Fast Recovery Diodes Production Value Market Share by Region (2021-2032)

Figure 7. World Fast Recovery Diodes Production Market Share by Region (2021-2032)

Figure 8. North America Fast Recovery Diodes Production (2021-2032) & (Million Units)

Figure 9. Europe Fast Recovery Diodes Production (2021-2032) & (Million Units)

Figure 10. China Fast Recovery Diodes Production (2021-2032) & (Million Units)

Figure 11. Japan Fast Recovery Diodes Production (2021-2032) & (Million Units)

Figure 12. India Fast Recovery Diodes Production (2021-2032) & (Million Units)

Figure 13. Southeast Asia Fast Recovery Diodes Production (2021-2032) & (Million Units)

Figure 14. Fast Recovery Diodes Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Fast Recovery Diodes Consumption (2021-2032) & (Million Units)

Figure 17. World Fast Recovery Diodes Consumption Market Share by Region (2021-2032)

Figure 18. United States Fast Recovery Diodes Consumption (2021-2032) & (Million Units)

Figure 19. China Fast Recovery Diodes Consumption (2021-2032) & (Million Units)

Figure 20. Europe Fast Recovery Diodes Consumption (2021-2032) & (Million Units)

Figure 21. Japan Fast Recovery Diodes Consumption (2021-2032) & (Million Units)

Figure 22. South Korea Fast Recovery Diodes Consumption (2021-2032) & (Million Units)

Figure 23. ASEAN Fast Recovery Diodes Consumption (2021-2032) & (Million Units)

Figure 24. India Fast Recovery Diodes Consumption (2021-2032) & (Million Units)

Figure 25. Producer Shipments of Fast Recovery Diodes by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Fast Recovery Diodes Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Fast Recovery Diodes Markets in 2025

Figure 28. United States VS China: Fast Recovery Diodes Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Fast Recovery Diodes Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Fast Recovery Diodes Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Fast Recovery Diodes Production Market Share 2025

Figure 32. China Based Manufacturers Fast Recovery Diodes Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Fast Recovery Diodes Production Market Share 2025

Figure 34. World Fast Recovery Diodes Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Fast Recovery Diodes Production Value Market Share by Type in 2025

Figure 36. Single FRD

Figure 37. Dual Common FRD

Figure 38. World Fast Recovery Diodes Production Market Share by Type (2021-2032)

Figure 39. World Fast Recovery Diodes Production Value Market Share by Type (2021-2032)

Figure 40. World Fast Recovery Diodes Average Price by Type (2021-2032) & (US\$/K Unit)

Figure 41. World Fast Recovery Diodes Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Figure 42. World Fast Recovery Diodes Production Value Market Share by Technology in 2025

Figure 43. Pt Diffusion

Figure 44. Electron Irradiation

Figure 45. Controlled Axial Lifetime

Figure 46. World Fast Recovery Diodes Production Market Share by Technology (2021-2032)

Figure 47. World Fast Recovery Diodes Production Value Market Share by Technology (2021-2032)

Figure 48. World Fast Recovery Diodes Average Price by Technology (2021-2032) & (US\$/K Unit)

Figure 49. World Fast Recovery Diodes Production Value by Performance, (USD

Million), 2021 & 2025 & 2032

Figure 50. World Fast Recovery Diodes Production Value Market Share by Performance in 2025

Figure 51. Fast

Figure 52. Ultrafast

Figure 53. World Fast Recovery Diodes Production Market Share by Performance (2021-2032)

Figure 54. World Fast Recovery Diodes Production Value Market Share by Performance (2021-2032)

Figure 55. World Fast Recovery Diodes Average Price by Performance (2021-2032) & (US\$/K Unit)

Figure 56. World Fast Recovery Diodes Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Fast Recovery Diodes Production Value Market Share by Application in 2025

Figure 58. Automotive?&?Transportation

Figure 59. Consumer?Electronics

Figure 60. Renewable?and?Power?Grid

Figure 61. Industrial Control

Figure 62. Others

Figure 63. World Fast Recovery Diodes Production Market Share by Application (2021-2032)

Figure 64. World Fast Recovery Diodes Production Value Market Share by Application (2021-2032)

Figure 65. World Fast Recovery Diodes Average Price by Application (2021-2032) & (US\$/K Unit)

Figure 66. Fast Recovery Diodes Industry Chain

Figure 67. Fast Recovery Diodes Procurement Model

Figure 68. Fast Recovery Diodes Sales Model

Figure 69. Fast Recovery Diodes Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

I would like to order

Product name: Global Fast Recovery Diodes Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G6AB0A094102EN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6AB0A094102EN.html>