

Global FRD (Fast Recovery Diode) Chip Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

https://marketpublishers.com/r/G7F3E7A0354DEN.html

Date: February 2023

Pages: 91

Price: US\$ 3,480.00 (Single User License)

ID: G7F3E7A0354DEN

Abstracts

According to our (Global Info Research) latest study, the global FRD (Fast Recovery Diode) Chip market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global FRD (Fast Recovery Diode) Chip market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global FRD (Fast Recovery Diode) Chip market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global FRD (Fast Recovery Diode) Chip market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global FRD (Fast Recovery Diode) Chip market size and forecasts, by Type and by



Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global FRD (Fast Recovery Diode) Chip market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for FRD (Fast Recovery Diode) Chip

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global FRD (Fast Recovery Diode) Chip 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 Infineon, Mitsubishi Electric, Fuji Electric, Semikron and ON Semiconductor, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

FRD (Fast Recovery Diode) Chip market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Reverse Recovery Time: ?120ns

Reverse Recovery Time: ?200ns



Reverse Recovery Time: ?300ns

Market segment by Application	
Industrial	
Household Electric Appliances	
Rail Transit	
New Energy	
Medical Science	
Aerospace	
Military Project	
Major players covered	
Infineon	
Mitsubishi Electric	
Fuji Electric	
Fuji Electric Semikron	
Semikron	
Semikron ON Semiconductor	
Semikron ON Semiconductor Vincotech GmbH	

STMicroelectronics



Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe FRD (Fast Recovery Diode) Chip product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of FRD (Fast Recovery Diode) Chip, with price, sales, revenue and global market share of FRD (Fast Recovery Diode) Chip from 2018 to 2023.

Chapter 3, the FRD (Fast Recovery Diode) Chip competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the FRD (Fast Recovery Diode) Chip breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and FRD (Fast Recovery Diode) Chip market forecast, by regions, type and



application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of FRD (Fast Recovery Diode) Chip.

Chapter 14 and 15, to describe FRD (Fast Recovery Diode) Chip sales channel, distributors, customers, research findings and conclusion.



Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of FRD (Fast Recovery Diode) Chip
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global FRD (Fast Recovery Diode) Chip Consumption Value by Type:
- 2018 Versus 2022 Versus 2029
 - 1.3.2 Reverse Recovery Time: ?120ns
 - 1.3.3 Reverse Recovery Time: ?200ns
 - 1.3.4 Reverse Recovery Time: ?300ns
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global FRD (Fast Recovery Diode) Chip Consumption Value by

Application: 2018 Versus 2022 Versus 2029

- 1.4.2 Industrial
- 1.4.3 Household Electric Appliances
- 1.4.4 Rail Transit
- 1.4.5 New Energy
- 1.4.6 Medical Science
- 1.4.7 Aerospace
- 1.4.8 Military Project
- 1.5 Global FRD (Fast Recovery Diode) Chip Market Size & Forecast
- 1.5.1 Global FRD (Fast Recovery Diode) Chip Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global FRD (Fast Recovery Diode) Chip Sales Quantity (2018-2029)
 - 1.5.3 Global FRD (Fast Recovery Diode) Chip Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 Infineon
 - 2.1.1 Infineon Details
 - 2.1.2 Infineon Major Business
 - 2.1.3 Infineon FRD (Fast Recovery Diode) Chip Product and Services
 - 2.1.4 Infineon FRD (Fast Recovery Diode) Chip Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

- 2.1.5 Infineon Recent Developments/Updates
- 2.2 Mitsubishi Electric
- 2.2.1 Mitsubishi Electric Details



- 2.2.2 Mitsubishi Electric Major Business
- 2.2.3 Mitsubishi Electric FRD (Fast Recovery Diode) Chip Product and Services
- 2.2.4 Mitsubishi Electric FRD (Fast Recovery Diode) Chip Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.2.5 Mitsubishi Electric Recent Developments/Updates
- 2.3 Fuji Electric
 - 2.3.1 Fuji Electric Details
 - 2.3.2 Fuji Electric Major Business
 - 2.3.3 Fuji Electric FRD (Fast Recovery Diode) Chip Product and Services
 - 2.3.4 Fuji Electric FRD (Fast Recovery Diode) Chip Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

- 2.3.5 Fuji Electric Recent Developments/Updates
- 2.4 Semikron
 - 2.4.1 Semikron Details
 - 2.4.2 Semikron Major Business
 - 2.4.3 Semikron FRD (Fast Recovery Diode) Chip Product and Services
 - 2.4.4 Semikron FRD (Fast Recovery Diode) Chip Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

- 2.4.5 Semikron Recent Developments/Updates
- 2.5 ON Semiconductor
 - 2.5.1 ON Semiconductor Details
 - 2.5.2 ON Semiconductor Major Business
 - 2.5.3 ON Semiconductor FRD (Fast Recovery Diode) Chip Product and Services
 - 2.5.4 ON Semiconductor FRD (Fast Recovery Diode) Chip Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.5.5 ON Semiconductor Recent Developments/Updates
- 2.6 Vincotech GmbH
 - 2.6.1 Vincotech GmbH Details
 - 2.6.2 Vincotech GmbH Major Business
- 2.6.3 Vincotech GmbH FRD (Fast Recovery Diode) Chip Product and Services
- 2.6.4 Vincotech GmbH FRD (Fast Recovery Diode) Chip Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.6.5 Vincotech GmbH Recent Developments/Updates
- 2.7 Hitachi Power Semiconductor Device Ltd
 - 2.7.1 Hitachi Power Semiconductor Device Ltd Details
 - 2.7.2 Hitachi Power Semiconductor Device Ltd Major Business
- 2.7.3 Hitachi Power Semiconductor Device Ltd FRD (Fast Recovery Diode) Chip Product and Services
 - 2.7.4 Hitachi Power Semiconductor Device Ltd FRD (Fast Recovery Diode) Chip Sales



- Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.7.5 Hitachi Power Semiconductor Device Ltd Recent Developments/Updates
- 2.8 StarPower Semiconductor
 - 2.8.1 StarPower Semiconductor Details
 - 2.8.2 StarPower Semiconductor Major Business
- 2.8.3 StarPower Semiconductor FRD (Fast Recovery Diode) Chip Product and Services
- 2.8.4 StarPower Semiconductor FRD (Fast Recovery Diode) Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 StarPower Semiconductor Recent Developments/Updates
- 2.9 STMicroelectronics
 - 2.9.1 STMicroelectronics Details
 - 2.9.2 STMicroelectronics Major Business
 - 2.9.3 STMicroelectronics FRD (Fast Recovery Diode) Chip Product and Services
- 2.9.4 STMicroelectronics FRD (Fast Recovery Diode) Chip Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.9.5 STMicroelectronics Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: FRD (FAST RECOVERY DIODE) CHIP BY MANUFACTURER

- 3.1 Global FRD (Fast Recovery Diode) Chip Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global FRD (Fast Recovery Diode) Chip Revenue by Manufacturer (2018-2023)
- 3.3 Global FRD (Fast Recovery Diode) Chip Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
- 3.4.1 Producer Shipments of FRD (Fast Recovery Diode) Chip by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- 3.4.2 Top 3 FRD (Fast Recovery Diode) Chip Manufacturer Market Share in 2022
- 3.4.2 Top 6 FRD (Fast Recovery Diode) Chip Manufacturer Market Share in 2022
- 3.5 FRD (Fast Recovery Diode) Chip Market: Overall Company Footprint Analysis
 - 3.5.1 FRD (Fast Recovery Diode) Chip Market: Region Footprint
 - 3.5.2 FRD (Fast Recovery Diode) Chip Market: Company Product Type Footprint
- 3.5.3 FRD (Fast Recovery Diode) Chip Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations



4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global FRD (Fast Recovery Diode) Chip Market Size by Region
 - 4.1.1 Global FRD (Fast Recovery Diode) Chip Sales Quantity by Region (2018-2029)
- 4.1.2 Global FRD (Fast Recovery Diode) Chip Consumption Value by Region (2018-2029)
- 4.1.3 Global FRD (Fast Recovery Diode) Chip Average Price by Region (2018-2029)
- 4.2 North America FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029)
- 4.3 Europe FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029)
- 4.4 Asia-Pacific FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029)
- 4.5 South America FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029)
- 4.6 Middle East and Africa FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2029)
- 5.2 Global FRD (Fast Recovery Diode) Chip Consumption Value by Type (2018-2029)
- 5.3 Global FRD (Fast Recovery Diode) Chip Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2029)
- 6.2 Global FRD (Fast Recovery Diode) Chip Consumption Value by Application (2018-2029)
- 6.3 Global FRD (Fast Recovery Diode) Chip Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2029)
- 7.2 North America FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2029)
- 7.3 North America FRD (Fast Recovery Diode) Chip Market Size by Country
- 7.3.1 North America FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2018-2029)
- 7.3.2 North America FRD (Fast Recovery Diode) Chip Consumption Value by Country (2018-2029)
 - 7.3.3 United States Market Size and Forecast (2018-2029)



- 7.3.4 Canada Market Size and Forecast (2018-2029)
- 7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

- 8.1 Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2029)
- 8.2 Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2029)
- 8.3 Europe FRD (Fast Recovery Diode) Chip Market Size by Country
 - 8.3.1 Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2018-2029)
- 8.3.2 Europe FRD (Fast Recovery Diode) Chip Consumption Value by Country (2018-2029)
 - 8.3.3 Germany Market Size and Forecast (2018-2029)
 - 8.3.4 France Market Size and Forecast (2018-2029)
 - 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
 - 8.3.6 Russia Market Size and Forecast (2018-2029)
- 8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific FRD (Fast Recovery Diode) Chip Market Size by Region
- 9.3.1 Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Region (2018-2029)
- 9.3.2 Asia-Pacific FRD (Fast Recovery Diode) Chip Consumption Value by Region (2018-2029)
 - 9.3.3 China Market Size and Forecast (2018-2029)
 - 9.3.4 Japan Market Size and Forecast (2018-2029)
 - 9.3.5 Korea Market Size and Forecast (2018-2029)
 - 9.3.6 India Market Size and Forecast (2018-2029)
- 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
- 9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

- 10.1 South America FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2029)
- 10.2 South America FRD (Fast Recovery Diode) Chip Sales Quantity by Application



(2018-2029)

- 10.3 South America FRD (Fast Recovery Diode) Chip Market Size by Country
- 10.3.1 South America FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2018-2029)
- 10.3.2 South America FRD (Fast Recovery Diode) Chip Consumption Value by Country (2018-2029)
 - 10.3.3 Brazil Market Size and Forecast (2018-2029)
 - 10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa FRD (Fast Recovery Diode) Chip Market Size by Country 11.3.1 Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by
- Country (2018-2029)
- 11.3.2 Middle East & Africa FRD (Fast Recovery Diode) Chip Consumption Value by Country (2018-2029)
 - 11.3.3 Turkey Market Size and Forecast (2018-2029)
 - 11.3.4 Egypt Market Size and Forecast (2018-2029)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
 - 11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

- 12.1 FRD (Fast Recovery Diode) Chip Market Drivers
- 12.2 FRD (Fast Recovery Diode) Chip Market Restraints
- 12.3 FRD (Fast Recovery Diode) Chip Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry
- 12.5 Influence of COVID-19 and Russia-Ukraine War
 - 12.5.1 Influence of COVID-19
 - 12.5.2 Influence of Russia-Ukraine War



13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of FRD (Fast Recovery Diode) Chip and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of FRD (Fast Recovery Diode) Chip
- 13.3 FRD (Fast Recovery Diode) Chip Production Process
- 13.4 FRD (Fast Recovery Diode) Chip Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 FRD (Fast Recovery Diode) Chip Typical Distributors
- 14.3 FRD (Fast Recovery Diode) Chip Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer



List Of Tables

LIST OF TABLES

- Table 1. Global FRD (Fast Recovery Diode) Chip Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 2. Global FRD (Fast Recovery Diode) Chip Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 3. Infineon Basic Information, Manufacturing Base and Competitors
- Table 4. Infineon Major Business
- Table 5. Infineon FRD (Fast Recovery Diode) Chip Product and Services
- Table 6. Infineon FRD (Fast Recovery Diode) Chip Sales Quantity (K Units), Average
- Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 7. Infineon Recent Developments/Updates
- Table 8. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors
- Table 9. Mitsubishi Electric Major Business
- Table 10. Mitsubishi Electric FRD (Fast Recovery Diode) Chip Product and Services
- Table 11. Mitsubishi Electric FRD (Fast Recovery Diode) Chip Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 12. Mitsubishi Electric Recent Developments/Updates
- Table 13. Fuji Electric Basic Information, Manufacturing Base and Competitors
- Table 14. Fuji Electric Major Business
- Table 15. Fuji Electric FRD (Fast Recovery Diode) Chip Product and Services
- Table 16. Fuji Electric FRD (Fast Recovery Diode) Chip Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 17. Fuji Electric Recent Developments/Updates
- Table 18. Semikron Basic Information, Manufacturing Base and Competitors
- Table 19. Semikron Major Business
- Table 20. Semikron FRD (Fast Recovery Diode) Chip Product and Services
- Table 21. Semikron FRD (Fast Recovery Diode) Chip Sales Quantity (K Units), Average
- Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 22. Semikron Recent Developments/Updates
- Table 23. ON Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 24. ON Semiconductor Major Business
- Table 25. ON Semiconductor FRD (Fast Recovery Diode) Chip Product and Services
- Table 26. ON Semiconductor FRD (Fast Recovery Diode) Chip Sales Quantity (K
- Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market



- Share (2018-2023)
- Table 27. ON Semiconductor Recent Developments/Updates
- Table 28. Vincotech GmbH Basic Information, Manufacturing Base and Competitors
- Table 29. Vincotech GmbH Major Business
- Table 30. Vincotech GmbH FRD (Fast Recovery Diode) Chip Product and Services
- Table 31. Vincotech GmbH FRD (Fast Recovery Diode) Chip Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. Vincotech GmbH Recent Developments/Updates
- Table 33. Hitachi Power Semiconductor Device Ltd Basic Information, Manufacturing Base and Competitors
- Table 34. Hitachi Power Semiconductor Device Ltd Major Business
- Table 35. Hitachi Power Semiconductor Device Ltd FRD (Fast Recovery Diode) Chip Product and Services
- Table 36. Hitachi Power Semiconductor Device Ltd FRD (Fast Recovery Diode) Chip Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Hitachi Power Semiconductor Device Ltd Recent Developments/Updates
- Table 38. StarPower Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 39. StarPower Semiconductor Major Business
- Table 40. StarPower Semiconductor FRD (Fast Recovery Diode) Chip Product and Services
- Table 41. StarPower Semiconductor FRD (Fast Recovery Diode) Chip Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. StarPower Semiconductor Recent Developments/Updates
- Table 43. STMicroelectronics Basic Information, Manufacturing Base and Competitors
- Table 44. STMicroelectronics Major Business
- Table 45. STMicroelectronics FRD (Fast Recovery Diode) Chip Product and Services
- Table 46. STMicroelectronics FRD (Fast Recovery Diode) Chip Sales Quantity (K
- Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 47. STMicroelectronics Recent Developments/Updates
- Table 48. Global FRD (Fast Recovery Diode) Chip Sales Quantity by Manufacturer (2018-2023) & (K Units)
- Table 49. Global FRD (Fast Recovery Diode) Chip Revenue by Manufacturer (2018-2023) & (USD Million)
- Table 50. Global FRD (Fast Recovery Diode) Chip Average Price by Manufacturer



(2018-2023) & (US\$/Unit)

Table 51. Market Position of Manufacturers in FRD (Fast Recovery Diode) Chip, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 52. Head Office and FRD (Fast Recovery Diode) Chip Production Site of Key Manufacturer

Table 53. FRD (Fast Recovery Diode) Chip Market: Company Product Type Footprint

Table 54. FRD (Fast Recovery Diode) Chip Market: Company Product Application Footprint

Table 55. FRD (Fast Recovery Diode) Chip New Market Entrants and Barriers to Market Entry

Table 56. FRD (Fast Recovery Diode) Chip Mergers, Acquisition, Agreements, and Collaborations

Table 57. Global FRD (Fast Recovery Diode) Chip Sales Quantity by Region (2018-2023) & (K Units)

Table 58. Global FRD (Fast Recovery Diode) Chip Sales Quantity by Region (2024-2029) & (K Units)

Table 59. Global FRD (Fast Recovery Diode) Chip Consumption Value by Region (2018-2023) & (USD Million)

Table 60. Global FRD (Fast Recovery Diode) Chip Consumption Value by Region (2024-2029) & (USD Million)

Table 61. Global FRD (Fast Recovery Diode) Chip Average Price by Region (2018-2023) & (US\$/Unit)

Table 62. Global FRD (Fast Recovery Diode) Chip Average Price by Region (2024-2029) & (US\$/Unit)

Table 63. Global FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2023) & (K Units)

Table 64. Global FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2024-2029) & (K Units)

Table 65. Global FRD (Fast Recovery Diode) Chip Consumption Value by Type (2018-2023) & (USD Million)

Table 66. Global FRD (Fast Recovery Diode) Chip Consumption Value by Type (2024-2029) & (USD Million)

Table 67. Global FRD (Fast Recovery Diode) Chip Average Price by Type (2018-2023) & (US\$/Unit)

Table 68. Global FRD (Fast Recovery Diode) Chip Average Price by Type (2024-2029) & (US\$/Unit)

Table 69. Global FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2023) & (K Units)

Table 70. Global FRD (Fast Recovery Diode) Chip Sales Quantity by Application



(2024-2029) & (K Units)

Table 71. Global FRD (Fast Recovery Diode) Chip Consumption Value by Application (2018-2023) & (USD Million)

Table 72. Global FRD (Fast Recovery Diode) Chip Consumption Value by Application (2024-2029) & (USD Million)

Table 73. Global FRD (Fast Recovery Diode) Chip Average Price by Application (2018-2023) & (US\$/Unit)

Table 74. Global FRD (Fast Recovery Diode) Chip Average Price by Application (2024-2029) & (US\$/Unit)

Table 75. North America FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2023) & (K Units)

Table 76. North America FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2024-2029) & (K Units)

Table 77. North America FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2023) & (K Units)

Table 78. North America FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2024-2029) & (K Units)

Table 79. North America FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2018-2023) & (K Units)

Table 80. North America FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2024-2029) & (K Units)

Table 81. North America FRD (Fast Recovery Diode) Chip Consumption Value by Country (2018-2023) & (USD Million)

Table 82. North America FRD (Fast Recovery Diode) Chip Consumption Value by Country (2024-2029) & (USD Million)

Table 83. Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2023) & (K Units)

Table 84. Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2024-2029) & (K Units)

Table 85. Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2023) & (K Units)

Table 86. Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2024-2029) & (K Units)

Table 87. Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2018-2023) & (K Units)

Table 88. Europe FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2024-2029) & (K Units)

Table 89. Europe FRD (Fast Recovery Diode) Chip Consumption Value by Country (2018-2023) & (USD Million)



Table 90. Europe FRD (Fast Recovery Diode) Chip Consumption Value by Country (2024-2029) & (USD Million)

Table 91. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2023) & (K Units)

Table 92. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2024-2029) & (K Units)

Table 93. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2023) & (K Units)

Table 94. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2024-2029) & (K Units)

Table 95. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Region (2018-2023) & (K Units)

Table 96. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity by Region (2024-2029) & (K Units)

Table 97. Asia-Pacific FRD (Fast Recovery Diode) Chip Consumption Value by Region (2018-2023) & (USD Million)

Table 98. Asia-Pacific FRD (Fast Recovery Diode) Chip Consumption Value by Region (2024-2029) & (USD Million)

Table 99. South America FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2023) & (K Units)

Table 100. South America FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2024-2029) & (K Units)

Table 101. South America FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2018-2023) & (K Units)

Table 102. South America FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2024-2029) & (K Units)

Table 103. South America FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2018-2023) & (K Units)

Table 104. South America FRD (Fast Recovery Diode) Chip Sales Quantity by Country (2024-2029) & (K Units)

Table 105. South America FRD (Fast Recovery Diode) Chip Consumption Value by Country (2018-2023) & (USD Million)

Table 106. South America FRD (Fast Recovery Diode) Chip Consumption Value by Country (2024-2029) & (USD Million)

Table 107. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2018-2023) & (K Units)

Table 108. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by Type (2024-2029) & (K Units)

Table 109. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by



Application (2018-2023) & (K Units)

Table 110. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by Application (2024-2029) & (K Units)

Table 111. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by Region (2018-2023) & (K Units)

Table 112. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity by Region (2024-2029) & (K Units)

Table 113. Middle East & Africa FRD (Fast Recovery Diode) Chip Consumption Value by Region (2018-2023) & (USD Million)

Table 114. Middle East & Africa FRD (Fast Recovery Diode) Chip Consumption Value by Region (2024-2029) & (USD Million)

Table 115. FRD (Fast Recovery Diode) Chip Raw Material

Table 116. Key Manufacturers of FRD (Fast Recovery Diode) Chip Raw Materials

Table 117. FRD (Fast Recovery Diode) Chip Typical Distributors

Table 118. FRD (Fast Recovery Diode) Chip Typical Customers



List Of Figures

LIST OF FIGURES

Figure 1. FRD (Fast Recovery Diode) Chip Picture

Figure 2. Global FRD (Fast Recovery Diode) Chip Consumption Value by Type, (USD

Million), 2018 & 2022 & 2029

Figure 3. Global FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Type in 2022

Figure 4. Reverse Recovery Time: ?120ns Examples

Figure 5. Reverse Recovery Time: ?200ns Examples

Figure 6. Reverse Recovery Time: ?300ns Examples

Figure 7. Global FRD (Fast Recovery Diode) Chip Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 8. Global FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Application in 2022

Figure 9. Industrial Examples

Figure 10. Household Electric Appliances Examples

Figure 11. Rail Transit Examples

Figure 12. New Energy Examples

Figure 13. Medical Science Examples

Figure 14. Aerospace Examples

Figure 15. Military Project Examples

Figure 16. Global FRD (Fast Recovery Diode) Chip Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 17. Global FRD (Fast Recovery Diode) Chip Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 18. Global FRD (Fast Recovery Diode) Chip Sales Quantity (2018-2029) & (K Units)

Figure 19. Global FRD (Fast Recovery Diode) Chip Average Price (2018-2029) & (US\$/Unit)

Figure 20. Global FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Manufacturer in 2022

Figure 21. Global FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Manufacturer in 2022

Figure 22. Producer Shipments of FRD (Fast Recovery Diode) Chip by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 23. Top 3 FRD (Fast Recovery Diode) Chip Manufacturer (Consumption Value) Market Share in 2022



Figure 24. Top 6 FRD (Fast Recovery Diode) Chip Manufacturer (Consumption Value) Market Share in 2022

Figure 25. Global FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Region (2018-2029)

Figure 26. Global FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Region (2018-2029)

Figure 27. North America FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029) & (USD Million)

Figure 28. Europe FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029) & (USD Million)

Figure 29. Asia-Pacific FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029) & (USD Million)

Figure 30. South America FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029) & (USD Million)

Figure 31. Middle East & Africa FRD (Fast Recovery Diode) Chip Consumption Value (2018-2029) & (USD Million)

Figure 32. Global FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Type (2018-2029)

Figure 33. Global FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Type (2018-2029)

Figure 34. Global FRD (Fast Recovery Diode) Chip Average Price by Type (2018-2029) & (US\$/Unit)

Figure 35. Global FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Application (2018-2029)

Figure 36. Global FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Application (2018-2029)

Figure 37. Global FRD (Fast Recovery Diode) Chip Average Price by Application (2018-2029) & (US\$/Unit)

Figure 38. North America FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Type (2018-2029)

Figure 39. North America FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Application (2018-2029)

Figure 40. North America FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Country (2018-2029)

Figure 41. North America FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Country (2018-2029)

Figure 42. United States FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 43. Canada FRD (Fast Recovery Diode) Chip Consumption Value and Growth



Rate (2018-2029) & (USD Million)

Figure 44. Mexico FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. Europe FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Type (2018-2029)

Figure 46. Europe FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Application (2018-2029)

Figure 47. Europe FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Country (2018-2029)

Figure 48. Europe FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Country (2018-2029)

Figure 49. Germany FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. France FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. United Kingdom FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. Russia FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. Italy FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Type (2018-2029)

Figure 55. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Application (2018-2029)

Figure 56. Asia-Pacific FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Region (2018-2029)

Figure 57. Asia-Pacific FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Region (2018-2029)

Figure 58. China FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Japan FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Korea FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. India FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. Southeast Asia FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)



Figure 63. Australia FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. South America FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Type (2018-2029)

Figure 65. South America FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Application (2018-2029)

Figure 66. South America FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Country (2018-2029)

Figure 67. South America FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Country (2018-2029)

Figure 68. Brazil FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 69. Argentina FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Type (2018-2029)

Figure 71. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Application (2018-2029)

Figure 72. Middle East & Africa FRD (Fast Recovery Diode) Chip Sales Quantity Market Share by Region (2018-2029)

Figure 73. Middle East & Africa FRD (Fast Recovery Diode) Chip Consumption Value Market Share by Region (2018-2029)

Figure 74. Turkey FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. Egypt FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. Saudi Arabia FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 77. South Africa FRD (Fast Recovery Diode) Chip Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 78. FRD (Fast Recovery Diode) Chip Market Drivers

Figure 79. FRD (Fast Recovery Diode) Chip Market Restraints

Figure 80. FRD (Fast Recovery Diode) Chip Market Trends

Figure 81. Porters Five Forces Analysis

Figure 82. Manufacturing Cost Structure Analysis of FRD (Fast Recovery Diode) Chip in 2022

Figure 83. Manufacturing Process Analysis of FRD (Fast Recovery Diode) Chip

Figure 84. FRD (Fast Recovery Diode) Chip Industrial Chain

Figure 85. Sales Quantity Channel: Direct to End-User vs Distributors



Figure 86. Direct Channel Pros & Cons

Figure 87. Indirect Channel Pros & Cons

Figure 88. Methodology

Figure 89. Research Process and Data Source



I would like to order

Product name: Global FRD (Fast Recovery Diode) Chip Market 2023 by Manufacturers, Regions, Type

and Application, Forecast to 2029

Product link: https://marketpublishers.com/r/G7F3E7A0354DEN.html

Price: US\$ 3,480.00 (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/G7F3E7A0354DEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

