

Global Directly Modulated DFB Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GDBE8CED43F8EN.html>

Date: August 2023

Pages: 117

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

ID: GDBE8CED43F8EN

Abstracts

The global Directly Modulated DFB market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The directly modulated DFB is a periodic feedback structure that can achieve single-frequency output and has a narrow spectral width. The directly modulated DFB has the characteristics of high efficiency, simplified system, low cost, and limited bandwidth, and can realize high-speed and efficient data transmission.

The directly modulated DFB, the full name of direct modulated distributed feedback laser, is a laser commonly used in optical fiber communication systems. It combines the functions of a distributed feedback laser and a direct modulator, capable of directly converting electrical signals into optical signals.

This report studies the global Directly Modulated DFB production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Directly Modulated DFB, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Directly Modulated DFB that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Directly Modulated DFB total production and demand, 2018-2029, (Units)

Global Directly Modulated DFB total production value, 2018-2029, (USD Million)

Global Directly Modulated DFB production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Directly Modulated DFB consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Directly Modulated DFB domestic production, consumption, key domestic manufacturers and share

Global Directly Modulated DFB production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Directly Modulated DFB production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Directly Modulated DFB production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Directly Modulated DFB 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 II-VI Incorporated (Finisar), Lumentum (Oclaro), Anritsu, Applied Optoelectronics, EMCORE Corporation, Innolume, MACOM, Mitsubishi Electric and Thorlabs, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Directly Modulated DFB market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the

forecast year.

Global Directly Modulated DFB Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Directly Modulated DFB Market, Segmentation by Type

Less Than 10 GHz

Between 10 and 25 GHz

Above 25 GHz

Global Directly Modulated DFB Market, Segmentation by Application

Communication

Semiconductor

Energy

Others

Companies Profiled:

II-VI Incorporated (Finisar)

Lumentum (Oclaro)

Anritsu

Applied Optoelectronics

EMCORE Corporation

Innolume

MACOM

Mitsubishi Electric

Thorlabs

Nanoplus

QD Laser

TOPTICA eagleyard

Nolatech

Sacher Lasertechnik

G&H

Key Questions Answered

1. How big is the global Directly Modulated DFB market?

2. What is the demand of the global Directly Modulated DFB market?
3. What is the year over year growth of the global Directly Modulated DFB market?
4. What is the production and production value of the global Directly Modulated DFB market?
5. Who are the key producers in the global Directly Modulated DFB market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Directly Modulated DFB Introduction
- 1.2 World Directly Modulated DFB Supply & Forecast
 - 1.2.1 World Directly Modulated DFB Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Directly Modulated DFB Production (2018-2029)
 - 1.2.3 World Directly Modulated DFB Pricing Trends (2018-2029)
- 1.3 World Directly Modulated DFB Production by Region (Based on Production Site)
 - 1.3.1 World Directly Modulated DFB Production Value by Region (2018-2029)
 - 1.3.2 World Directly Modulated DFB Production by Region (2018-2029)
 - 1.3.3 World Directly Modulated DFB Average Price by Region (2018-2029)
 - 1.3.4 North America Directly Modulated DFB Production (2018-2029)
 - 1.3.5 Europe Directly Modulated DFB Production (2018-2029)
 - 1.3.6 China Directly Modulated DFB Production (2018-2029)
 - 1.3.7 Japan Directly Modulated DFB Production (2018-2029)
 - 1.3.8 South Korea Directly Modulated DFB Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Directly Modulated DFB Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Directly Modulated DFB Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Directly Modulated DFB Demand (2018-2029)
- 2.2 World Directly Modulated DFB Consumption by Region
 - 2.2.1 World Directly Modulated DFB Consumption by Region (2018-2023)
 - 2.2.2 World Directly Modulated DFB Consumption Forecast by Region (2024-2029)
- 2.3 United States Directly Modulated DFB Consumption (2018-2029)
- 2.4 China Directly Modulated DFB Consumption (2018-2029)
- 2.5 Europe Directly Modulated DFB Consumption (2018-2029)
- 2.6 Japan Directly Modulated DFB Consumption (2018-2029)
- 2.7 South Korea Directly Modulated DFB Consumption (2018-2029)
- 2.8 ASEAN Directly Modulated DFB Consumption (2018-2029)
- 2.9 India Directly Modulated DFB Consumption (2018-2029)

3 WORLD DIRECTLY MODULATED DFB MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Directly Modulated DFB Production Value by Manufacturer (2018-2023)
- 3.2 World Directly Modulated DFB Production by Manufacturer (2018-2023)
- 3.3 World Directly Modulated DFB Average Price by Manufacturer (2018-2023)
- 3.4 Directly Modulated DFB Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Directly Modulated DFB Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Directly Modulated DFB in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for Directly Modulated DFB in 2022
- 3.6 Directly Modulated DFB Market: Overall Company Footprint Analysis
 - 3.6.1 Directly Modulated DFB Market: Region Footprint
 - 3.6.2 Directly Modulated DFB Market: Company Product Type Footprint
 - 3.6.3 Directly Modulated DFB 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: Directly Modulated DFB Production Value Comparison
 - 4.1.1 United States VS China: Directly Modulated DFB Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: Directly Modulated DFB Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Directly Modulated DFB Production Comparison
 - 4.2.1 United States VS China: Directly Modulated DFB Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: Directly Modulated DFB Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Directly Modulated DFB Consumption Comparison
 - 4.3.1 United States VS China: Directly Modulated DFB Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: Directly Modulated DFB Consumption Market Share

Comparison (2018 & 2022 & 2029)

4.4 United States Based Directly Modulated DFB Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Directly Modulated DFB Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Directly Modulated DFB Production Value (2018-2023)

4.4.3 United States Based Manufacturers Directly Modulated DFB Production (2018-2023)

4.5 China Based Directly Modulated DFB Manufacturers and Market Share

4.5.1 China Based Directly Modulated DFB Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Directly Modulated DFB Production Value (2018-2023)

4.5.3 China Based Manufacturers Directly Modulated DFB Production (2018-2023)

4.6 Rest of World Based Directly Modulated DFB Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Directly Modulated DFB Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Directly Modulated DFB Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Directly Modulated DFB Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Directly Modulated DFB Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Less Than 10 GHz

5.2.2 Between 10 and 25 GHz

5.2.3 Above 25 GHz

5.3 Market Segment by Type

5.3.1 World Directly Modulated DFB Production by Type (2018-2029)

5.3.2 World Directly Modulated DFB Production Value by Type (2018-2029)

5.3.3 World Directly Modulated DFB Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Directly Modulated DFB Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Communication

6.2.2 Semiconductor

6.2.3 Energy

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World Directly Modulated DFB Production by Application (2018-2029)

6.3.2 World Directly Modulated DFB Production Value by Application (2018-2029)

6.3.3 World Directly Modulated DFB Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 II-VI Incorporated (Finisar)

7.1.1 II-VI Incorporated (Finisar) Details

7.1.2 II-VI Incorporated (Finisar) Major Business

7.1.3 II-VI Incorporated (Finisar) Directly Modulated DFB Product and Services

7.1.4 II-VI Incorporated (Finisar) Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 II-VI Incorporated (Finisar) Recent Developments/Updates

7.1.6 II-VI Incorporated (Finisar) Competitive Strengths & Weaknesses

7.2 Lumentum (Oclaro)

7.2.1 Lumentum (Oclaro) Details

7.2.2 Lumentum (Oclaro) Major Business

7.2.3 Lumentum (Oclaro) Directly Modulated DFB Product and Services

7.2.4 Lumentum (Oclaro) Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Lumentum (Oclaro) Recent Developments/Updates

7.2.6 Lumentum (Oclaro) Competitive Strengths & Weaknesses

7.3 Anritsu

7.3.1 Anritsu Details

7.3.2 Anritsu Major Business

7.3.3 Anritsu Directly Modulated DFB Product and Services

7.3.4 Anritsu Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Anritsu Recent Developments/Updates

7.3.6 Anritsu Competitive Strengths & Weaknesses

7.4 Applied Optoelectronics

- 7.4.1 Applied Optoelectronics Details
- 7.4.2 Applied Optoelectronics Major Business
- 7.4.3 Applied Optoelectronics Directly Modulated DFB Product and Services
- 7.4.4 Applied Optoelectronics Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.4.5 Applied Optoelectronics Recent Developments/Updates
- 7.4.6 Applied Optoelectronics Competitive Strengths & Weaknesses
- 7.5 EMCORE Corporation
 - 7.5.1 EMCORE Corporation Details
 - 7.5.2 EMCORE Corporation Major Business
 - 7.5.3 EMCORE Corporation Directly Modulated DFB Product and Services
 - 7.5.4 EMCORE Corporation Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 EMCORE Corporation Recent Developments/Updates
 - 7.5.6 EMCORE Corporation Competitive Strengths & Weaknesses
- 7.6 Innolume
 - 7.6.1 Innolume Details
 - 7.6.2 Innolume Major Business
 - 7.6.3 Innolume Directly Modulated DFB Product and Services
 - 7.6.4 Innolume Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Innolume Recent Developments/Updates
 - 7.6.6 Innolume Competitive Strengths & Weaknesses
- 7.7 MACOM
 - 7.7.1 MACOM Details
 - 7.7.2 MACOM Major Business
 - 7.7.3 MACOM Directly Modulated DFB Product and Services
 - 7.7.4 MACOM Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 MACOM Recent Developments/Updates
 - 7.7.6 MACOM Competitive Strengths & Weaknesses
- 7.8 Mitsubishi Electric
 - 7.8.1 Mitsubishi Electric Details
 - 7.8.2 Mitsubishi Electric Major Business
 - 7.8.3 Mitsubishi Electric Directly Modulated DFB Product and Services
 - 7.8.4 Mitsubishi Electric Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 Mitsubishi Electric Recent Developments/Updates
 - 7.8.6 Mitsubishi Electric Competitive Strengths & Weaknesses

7.9 Thorlabs

7.9.1 Thorlabs Details

7.9.2 Thorlabs Major Business

7.9.3 Thorlabs Directly Modulated DFB Product and Services

7.9.4 Thorlabs Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 Thorlabs Recent Developments/Updates

7.9.6 Thorlabs Competitive Strengths & Weaknesses

7.10 Nanoplus

7.10.1 Nanoplus Details

7.10.2 Nanoplus Major Business

7.10.3 Nanoplus Directly Modulated DFB Product and Services

7.10.4 Nanoplus Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 Nanoplus Recent Developments/Updates

7.10.6 Nanoplus Competitive Strengths & Weaknesses

7.11 QD Laser

7.11.1 QD Laser Details

7.11.2 QD Laser Major Business

7.11.3 QD Laser Directly Modulated DFB Product and Services

7.11.4 QD Laser Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 QD Laser Recent Developments/Updates

7.11.6 QD Laser Competitive Strengths & Weaknesses

7.12 TOPTICA eagleyard

7.12.1 TOPTICA eagleyard Details

7.12.2 TOPTICA eagleyard Major Business

7.12.3 TOPTICA eagleyard Directly Modulated DFB Product and Services

7.12.4 TOPTICA eagleyard Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 TOPTICA eagleyard Recent Developments/Updates

7.12.6 TOPTICA eagleyard Competitive Strengths & Weaknesses

7.13 Nolatech

7.13.1 Nolatech Details

7.13.2 Nolatech Major Business

7.13.3 Nolatech Directly Modulated DFB Product and Services

7.13.4 Nolatech Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.13.5 Nolatech Recent Developments/Updates

- 7.13.6 Nolatech Competitive Strengths & Weaknesses
- 7.14 Sacher Lasertechnik
 - 7.14.1 Sacher Lasertechnik Details
 - 7.14.2 Sacher Lasertechnik Major Business
 - 7.14.3 Sacher Lasertechnik Directly Modulated DFB Product and Services
 - 7.14.4 Sacher Lasertechnik Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.14.5 Sacher Lasertechnik Recent Developments/Updates
 - 7.14.6 Sacher Lasertechnik Competitive Strengths & Weaknesses
- 7.15 G&H
 - 7.15.1 G&H Details
 - 7.15.2 G&H Major Business
 - 7.15.3 G&H Directly Modulated DFB Product and Services
 - 7.15.4 G&H Directly Modulated DFB Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.15.5 G&H Recent Developments/Updates
 - 7.15.6 G&H Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Directly Modulated DFB Industry Chain
- 8.2 Directly Modulated DFB Upstream Analysis
 - 8.2.1 Directly Modulated DFB Core Raw Materials
 - 8.2.2 Main Manufacturers of Directly Modulated DFB Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Directly Modulated DFB Production Mode
- 8.6 Directly Modulated DFB Procurement Model
- 8.7 Directly Modulated DFB Industry Sales Model and Sales Channels
 - 8.7.1 Directly Modulated DFB Sales Model
 - 8.7.2 Directly Modulated DFB Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World Directly Modulated DFB Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World Directly Modulated DFB Production Value by Region (2018-2023) & (USD Million)
- Table 3. World Directly Modulated DFB Production Value by Region (2024-2029) & (USD Million)
- Table 4. World Directly Modulated DFB Production Value Market Share by Region (2018-2023)
- Table 5. World Directly Modulated DFB Production Value Market Share by Region (2024-2029)
- Table 6. World Directly Modulated DFB Production by Region (2018-2023) & (Units)
- Table 7. World Directly Modulated DFB Production by Region (2024-2029) & (Units)
- Table 8. World Directly Modulated DFB Production Market Share by Region (2018-2023)
- Table 9. World Directly Modulated DFB Production Market Share by Region (2024-2029)
- Table 10. World Directly Modulated DFB Average Price by Region (2018-2023) & (US\$/Unit)
- Table 11. World Directly Modulated DFB Average Price by Region (2024-2029) & (US\$/Unit)
- Table 12. Directly Modulated DFB Major Market Trends
- Table 13. World Directly Modulated DFB Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Units)
- Table 14. World Directly Modulated DFB Consumption by Region (2018-2023) & (Units)
- Table 15. World Directly Modulated DFB Consumption Forecast by Region (2024-2029) & (Units)
- Table 16. World Directly Modulated DFB Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key Directly Modulated DFB Producers in 2022
- Table 18. World Directly Modulated DFB Production by Manufacturer (2018-2023) & (Units)
- Table 19. Production Market Share of Key Directly Modulated DFB Producers in 2022
- Table 20. World Directly Modulated DFB Average Price by Manufacturer (2018-2023) & (US\$/Unit)

- Table 21. Global Directly Modulated DFB Company Evaluation Quadrant
- Table 22. World Directly Modulated DFB Industry Rank of Major Manufacturers, Based on Production Value in 2022
- Table 23. Head Office and Directly Modulated DFB Production Site of Key Manufacturer
- Table 24. Directly Modulated DFB Market: Company Product Type Footprint
- Table 25. Directly Modulated DFB Market: Company Product Application Footprint
- Table 26. Directly Modulated DFB Competitive Factors
- Table 27. Directly Modulated DFB New Entrant and Capacity Expansion Plans
- Table 28. Directly Modulated DFB Mergers & Acquisitions Activity
- Table 29. United States VS China Directly Modulated DFB Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China Directly Modulated DFB Production Comparison, (2018 & 2022 & 2029) & (Units)
- Table 31. United States VS China Directly Modulated DFB Consumption Comparison, (2018 & 2022 & 2029) & (Units)
- Table 32. United States Based Directly Modulated DFB Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Directly Modulated DFB Production Value, (2018-2023) & (USD Million)
- Table 34. United States Based Manufacturers Directly Modulated DFB Production Value Market Share (2018-2023)
- Table 35. United States Based Manufacturers Directly Modulated DFB Production (2018-2023) & (Units)
- Table 36. United States Based Manufacturers Directly Modulated DFB Production Market Share (2018-2023)
- Table 37. China Based Directly Modulated DFB Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Directly Modulated DFB Production Value, (2018-2023) & (USD Million)
- Table 39. China Based Manufacturers Directly Modulated DFB Production Value Market Share (2018-2023)
- Table 40. China Based Manufacturers Directly Modulated DFB Production (2018-2023) & (Units)
- Table 41. China Based Manufacturers Directly Modulated DFB Production Market Share (2018-2023)
- Table 42. Rest of World Based Directly Modulated DFB Manufacturers, Headquarters and Production Site (States, Country)
- Table 43. Rest of World Based Manufacturers Directly Modulated DFB Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Directly Modulated DFB Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Directly Modulated DFB Production (2018-2023) & (Units)

Table 46. Rest of World Based Manufacturers Directly Modulated DFB Production Market Share (2018-2023)

Table 47. World Directly Modulated DFB Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Directly Modulated DFB Production by Type (2018-2023) & (Units)

Table 49. World Directly Modulated DFB Production by Type (2024-2029) & (Units)

Table 50. World Directly Modulated DFB Production Value by Type (2018-2023) & (USD Million)

Table 51. World Directly Modulated DFB Production Value by Type (2024-2029) & (USD Million)

Table 52. World Directly Modulated DFB Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Directly Modulated DFB Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Directly Modulated DFB Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Directly Modulated DFB Production by Application (2018-2023) & (Units)

Table 56. World Directly Modulated DFB Production by Application (2024-2029) & (Units)

Table 57. World Directly Modulated DFB Production Value by Application (2018-2023) & (USD Million)

Table 58. World Directly Modulated DFB Production Value by Application (2024-2029) & (USD Million)

Table 59. World Directly Modulated DFB Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Directly Modulated DFB Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. II-VI Incorporated (Finisar) Basic Information, Manufacturing Base and Competitors

Table 62. II-VI Incorporated (Finisar) Major Business

Table 63. II-VI Incorporated (Finisar) Directly Modulated DFB Product and Services

Table 64. II-VI Incorporated (Finisar) Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

- Table 65. II-VI Incorporated (Finisar) Recent Developments/Updates
- Table 66. II-VI Incorporated (Finisar) Competitive Strengths & Weaknesses
- Table 67. Lumentum (Oclaro) Basic Information, Manufacturing Base and Competitors
- Table 68. Lumentum (Oclaro) Major Business
- Table 69. Lumentum (Oclaro) Directly Modulated DFB Product and Services
- Table 70. Lumentum (Oclaro) Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. Lumentum (Oclaro) Recent Developments/Updates
- Table 72. Lumentum (Oclaro) Competitive Strengths & Weaknesses
- Table 73. Anritsu Basic Information, Manufacturing Base and Competitors
- Table 74. Anritsu Major Business
- Table 75. Anritsu Directly Modulated DFB Product and Services
- Table 76. Anritsu Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Anritsu Recent Developments/Updates
- Table 78. Anritsu Competitive Strengths & Weaknesses
- Table 79. Applied Optoelectronics Basic Information, Manufacturing Base and Competitors
- Table 80. Applied Optoelectronics Major Business
- Table 81. Applied Optoelectronics Directly Modulated DFB Product and Services
- Table 82. Applied Optoelectronics Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Applied Optoelectronics Recent Developments/Updates
- Table 84. Applied Optoelectronics Competitive Strengths & Weaknesses
- Table 85. EMCORE Corporation Basic Information, Manufacturing Base and Competitors
- Table 86. EMCORE Corporation Major Business
- Table 87. EMCORE Corporation Directly Modulated DFB Product and Services
- Table 88. EMCORE Corporation Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. EMCORE Corporation Recent Developments/Updates
- Table 90. EMCORE Corporation Competitive Strengths & Weaknesses
- Table 91. Innolume Basic Information, Manufacturing Base and Competitors
- Table 92. Innolume Major Business
- Table 93. Innolume Directly Modulated DFB Product and Services
- Table 94. Innolume Directly Modulated DFB Production (Units), Price (US\$/Unit),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Innolume Recent Developments/Updates

Table 96. Innolume Competitive Strengths & Weaknesses

Table 97. MACOM Basic Information, Manufacturing Base and Competitors

Table 98. MACOM Major Business

Table 99. MACOM Directly Modulated DFB Product and Services

Table 100. MACOM Directly Modulated DFB Production (Units), Price (US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. MACOM Recent Developments/Updates

Table 102. MACOM Competitive Strengths & Weaknesses

Table 103. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors

Table 104. Mitsubishi Electric Major Business

Table 105. Mitsubishi Electric Directly Modulated DFB Product and Services

Table 106. Mitsubishi Electric Directly Modulated DFB Production (Units), Price
(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share
(2018-2023)

Table 107. Mitsubishi Electric Recent Developments/Updates

Table 108. Mitsubishi Electric Competitive Strengths & Weaknesses

Table 109. Thorlabs Basic Information, Manufacturing Base and Competitors

Table 110. Thorlabs Major Business

Table 111. Thorlabs Directly Modulated DFB Product and Services

Table 112. Thorlabs Directly Modulated DFB Production (Units), Price (US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Thorlabs Recent Developments/Updates

Table 114. Thorlabs Competitive Strengths & Weaknesses

Table 115. Nanoplus Basic Information, Manufacturing Base and Competitors

Table 116. Nanoplus Major Business

Table 117. Nanoplus Directly Modulated DFB Product and Services

Table 118. Nanoplus Directly Modulated DFB Production (Units), Price (US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Nanoplus Recent Developments/Updates

Table 120. Nanoplus Competitive Strengths & Weaknesses

Table 121. QD Laser Basic Information, Manufacturing Base and Competitors

Table 122. QD Laser Major Business

Table 123. QD Laser Directly Modulated DFB Product and Services

Table 124. QD Laser Directly Modulated DFB Production (Units), Price (US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. QD Laser Recent Developments/Updates

Table 126. QD Laser Competitive Strengths & Weaknesses

- Table 127. TOPTICA eagleyard Basic Information, Manufacturing Base and Competitors
- Table 128. TOPTICA eagleyard Major Business
- Table 129. TOPTICA eagleyard Directly Modulated DFB Product and Services
- Table 130. TOPTICA eagleyard Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. TOPTICA eagleyard Recent Developments/Updates
- Table 132. TOPTICA eagleyard Competitive Strengths & Weaknesses
- Table 133. Nolatech Basic Information, Manufacturing Base and Competitors
- Table 134. Nolatech Major Business
- Table 135. Nolatech Directly Modulated DFB Product and Services
- Table 136. Nolatech Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Nolatech Recent Developments/Updates
- Table 138. Nolatech Competitive Strengths & Weaknesses
- Table 139. Sacher Lasertechnik Basic Information, Manufacturing Base and Competitors
- Table 140. Sacher Lasertechnik Major Business
- Table 141. Sacher Lasertechnik Directly Modulated DFB Product and Services
- Table 142. Sacher Lasertechnik Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 143. Sacher Lasertechnik Recent Developments/Updates
- Table 144. G&H Basic Information, Manufacturing Base and Competitors
- Table 145. G&H Major Business
- Table 146. G&H Directly Modulated DFB Product and Services
- Table 147. G&H Directly Modulated DFB Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 148. Global Key Players of Directly Modulated DFB Upstream (Raw Materials)
- Table 149. Directly Modulated DFB Typical Customers
- Table 150. Directly Modulated DFB Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Directly Modulated DFB Picture

Figure 2. World Directly Modulated DFB Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Directly Modulated DFB Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Directly Modulated DFB Production (2018-2029) & (Units)

Figure 5. World Directly Modulated DFB Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Directly Modulated DFB Production Value Market Share by Region (2018-2029)

Figure 7. World Directly Modulated DFB Production Market Share by Region (2018-2029)

Figure 8. North America Directly Modulated DFB Production (2018-2029) & (Units)

Figure 9. Europe Directly Modulated DFB Production (2018-2029) & (Units)

Figure 10. China Directly Modulated DFB Production (2018-2029) & (Units)

Figure 11. Japan Directly Modulated DFB Production (2018-2029) & (Units)

Figure 12. South Korea Directly Modulated DFB Production (2018-2029) & (Units)

Figure 13. Directly Modulated DFB Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Directly Modulated DFB Consumption (2018-2029) & (Units)

Figure 16. World Directly Modulated DFB Consumption Market Share by Region (2018-2029)

Figure 17. United States Directly Modulated DFB Consumption (2018-2029) & (Units)

Figure 18. China Directly Modulated DFB Consumption (2018-2029) & (Units)

Figure 19. Europe Directly Modulated DFB Consumption (2018-2029) & (Units)

Figure 20. Japan Directly Modulated DFB Consumption (2018-2029) & (Units)

Figure 21. South Korea Directly Modulated DFB Consumption (2018-2029) & (Units)

Figure 22. ASEAN Directly Modulated DFB Consumption (2018-2029) & (Units)

Figure 23. India Directly Modulated DFB Consumption (2018-2029) & (Units)

Figure 24. Producer Shipments of Directly Modulated DFB by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Directly Modulated DFB Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Directly Modulated DFB Markets in 2022

Figure 27. United States VS China: Directly Modulated DFB Production Value Market

Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Directly Modulated DFB Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Directly Modulated DFB Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers Directly Modulated DFB Production Market Share 2022

Figure 31. China Based Manufacturers Directly Modulated DFB Production Market Share 2022

Figure 32. Rest of World Based Manufacturers Directly Modulated DFB Production Market Share 2022

Figure 33. World Directly Modulated DFB Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World Directly Modulated DFB Production Value Market Share by Type in 2022

Figure 35. Less Than 10 GHz

Figure 36. Between 10 and 25 GHz

Figure 37. Above 25 GHz

Figure 38. World Directly Modulated DFB Production Market Share by Type (2018-2029)

Figure 39. World Directly Modulated DFB Production Value Market Share by Type (2018-2029)

Figure 40. World Directly Modulated DFB Average Price by Type (2018-2029) & (US\$/Unit)

Figure 41. World Directly Modulated DFB Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World Directly Modulated DFB Production Value Market Share by Application in 2022

Figure 43. Communication

Figure 44. Semiconductor

Figure 45. Energy

Figure 46. Others

Figure 47. World Directly Modulated DFB Production Market Share by Application (2018-2029)

Figure 48. World Directly Modulated DFB Production Value Market Share by Application (2018-2029)

Figure 49. World Directly Modulated DFB Average Price by Application (2018-2029) & (US\$/Unit)

Figure 50. Directly Modulated DFB Industry Chain

Figure 51. Directly Modulated DFB Procurement Model

Figure 52. Directly Modulated DFB Sales Model

Figure 53. Directly Modulated DFB Sales Channels, Direct Sales, and Distribution

Figure 54. Methodology

Figure 55. Research Process and Data Source

I would like to order

Product name: Global Directly Modulated DFB Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/GDBE8CED43F8EN.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/GDBE8CED43F8EN.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**

Customer 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