

# Global Single Frequency Fiber DFB Lasers Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Single Frequency Fiber DFB Lasers market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Single-frequency fiber DFB lasers are a special type of laser that are usually used in applications that require high stability and narrow linewidth light output. The characteristics of this type of laser are that by introducing a periodic refractive index change (i.e., DFB grating) inside the optical fiber, selective feedback of the laser mode is achieved, thereby achieving single-frequency oscillation.

This report is a detailed and comprehensive analysis for global Single Frequency Fiber DFB Lasers 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 2025, are provided.

Key Features:

Global Single Frequency Fiber DFB Lasers market size and forecasts, in consumption

value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single Frequency Fiber DFB Lasers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single Frequency Fiber DFB Lasers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single Frequency Fiber DFB Lasers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Single Frequency Fiber DFB Lasers
- 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 Single Frequency Fiber DFB Lasers market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Thorlabs, Coherent, Lumentum, Anritsu Group, EMCORE Corporation, MACOM, Mitsubishi Electric, Nanoplus Nanosystems And Technologies, QD Laser, Toptica Eagleyard, etc.

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

## Market Segmentation

Single Frequency Fiber DFB Lasers market is split by Type and by Application. For the period 2020-2031, 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

5mW-10mW

10mW-20mW

Over 20mW

## Market segment by Application

Telecommunication

Gas Sensing

Medical

Data Center

Others

## Major players covered

Thorlabs

Coherent

Lumentum

Anritsu Group

EMCORE Corporation

MACOM

Mitsubishi Electric

Nanoplus Nanosystems And Technologies

QD Laser

Toptica Eagleyard

iXblue

Innolume

G&H Photonics

Optilab

Inphenix

Shanghai Precilasers

Connet Laser Technology

Sichuan Ziguan Photonics Technology

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 Single Frequency Fiber DFB Lasers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Single Frequency Fiber DFB Lasers, with price, sales quantity, revenue, and global market share of Single Frequency Fiber DFB Lasers from 2020 to 2025.

Chapter 3, the Single Frequency Fiber DFB Lasers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Single Frequency Fiber DFB Lasers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Single Frequency Fiber DFB Lasers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Single Frequency Fiber DFB Lasers.

Chapter 14 and 15, to describe Single Frequency Fiber DFB Lasers sales channel, distributors, customers, research findings and conclusion.

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