

Optical Wavelength Division Multiplexer Price Quote



Overview

Wavelength Division Multiplexing – Buyer's Guide & Suppliers This buyer's guide for wavelength division multiplexing provides technical background, comparis.

Key Takeaways

Optical Wavelength Division Multiplexers (WDMs) typically range from \$50 to several hundred dollars, depending on type, wavelength range, and specifications.

Price Overview

Coarse WD

M (CWDM): These devices, used for simpler telecom or fiber-optic applications, generally cost \$50–\$150 per unit on marketplaces like eBay.

Dense WD

M (DWDM): DWDM devices, which support more channels and tighter wavelength spacing, are more expensive, often \$200–\$500 or higher, depending on channel count and insertion loss.

Filter-based WD



Ms (FWDM): FWDMs using Thin Film Filter (TFF) technology for applications like EDFA, Raman amplifiers, or FTTx networks typically fall in the \$100–\$400 range, with higher-end models offering low insertion loss, high isolation, and environmental stability. Laboratory or specialty WDMs: Single-mode, polarization-maintaining, or custom wavelength WDMs from suppliers like Thorlabs or OZ Optics may cost \$150–\$600, depending on wavelength combination, connector type, and power handling.

Factors Affecting Price

Wavelength Range: Devices covering standard telecom bands (1310 nm, 1550 nm) are generally less expensive than those covering specialized NIR or visible wavelengths. Insertion Loss and Isolation: Lower insertion loss and higher isolation specifications increase cost. Connector Type: FC/PC, FC/APC, or unterminated leads can affect pricing.

Channel Count: DWDM devices with more channels or ultra-dense spacing are more expensive than CWDM with fewer channels. Power Handling: High-power WDMs for fiber lasers or amplifiers are priced higher due to specialized coatings and pigtail processing.

Purchasing Options

Online marketplaces: eBay offers a wide range of WDMs with fast shipping and competitive prices. Specialty suppliers: Thorlabs, Fiber-Mart, and OZ Optics provide WDMs with detailed specifications and the option to request a custom quote for precise pricing. Custom or high-performance WDMs: For applications requiring specific wavelength combinations, low insertion loss, or high-power handling, contacting suppliers directly for a quote is recommended.

In summary, WDM prices vary widely based on type, wavelength, and performance requirements, ranging from around \$50 for basic CWDM units to several hundred dollars for DWDM or specialty devices. For exact pricing, especially for high-performance or custom WDMs, requesting a quote from suppliers like OZ Optics or Thorlabs is the most reliable approach.

Article Content

Wavelength Division Multiplexing – Buyer's Guide & Suppliers

This buyer's guide for wavelength division multiplexing provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Dense Wavelength Division Multiplexer

Get a price quote for Dense Wavelength Division Multiplexer directly from GKER Photonics | Ask questions and find out technical details and specifications.

FWDM/Filter Wavelength Division Multiplexer Prices & Spec

Our FWDM product line covers different wavelength windows commonly used in optical fiber systems. All the FWDM multiplexers offer low insertion loss, low polarization dependence, high isolation and

Wavelength Division Multiplexing – WDM, coarse, dense, optical fiber ...

Wavelength division multiplexing (WDM) is a technology for increasing the transmission capacity of optical fiber communications by sending multiple data channels simultaneously through a single fiber,

Wavelength Division Multiplexer

Explore a wide range of our Wavelength Division Multiplexer selection. Find top brands, exclusive offers, and unbeatable prices on eBay. Shop now for fast shipping and easy returns!

DWDM Mux Demux Solutions | Wholesale Factory Supplier

DWDM Product Category Overview Overview: Dense Wavelength Division Multiplexing (DWDM) is a technology that increases fiber bandwidth by transmitting multiple optical carrier signals on a single

Wavelength Division Multiplexers from CWDM/DWDM

CWDM Multiplexers – Coarse Wave Division Multiplexing uses up to 18 wavelengths in a fiber pair and is suitable for shorter distances, max. 120 km. DWDM

Wavelength Division Multiplexer at Best Price in India

Find here online price details of companies selling Wavelength Division Multiplexer. Get info of suppliers, manufacturers, exporters, traders of Wavelength Division Multiplexer for buying in India.

What is CWDM (Coarse Wavelength Division Multiplexing)?

Coarse Wavelength Division Multiplexing (CWDM) is an optical networking technology that increases the bandwidth of existing networks. Learn all about CWDM, how it differs from DWDM,

Wavelength Division Multiplexers (WDM) | Corning

Explore wavelength division multiplexers (WDM), their applications, and products and learn why Corning is the best choice for WDM.

Wavelength Division Multiplexing WDM Equipment Market 2025-2035

The wavelength division multiplexing (WDM) equipment market is projected to grow from USD 48.9 billion in 2025 to USD 84.4 billion by 2035, at a CAGR of 6.0%. The coarse wavelength

Wavelength Division Multiplexing | WDM Technology in

For more information on WDM technology, please visit our Wavelength Division Multiplexers (WDM) Solutions. Click here to get in contact

Wavelength Division Multiplexers (WDM) Selection Guide

How To Select Wavelength Division Multiplexers Image Credit: Microwave Photonic Systems Inc. Wavelength division multiplexers (WDM) are electronic devices that combine light signals with

Wavelength Division Multiplexing Introduction Guide

The cost effectiveness is why Wavelength Division Multiplexing, also known as WDM, has been a favorite technology of the telecommunications industry for decades.

Wavelength-Division Multiplexing (WDM)

We produce fiber-coupled Wavelength-Division Multiplexing (WDM) devices that combine (Mux) or separate (DeMux) multiple wavelength channels into or from a single optical fiber. Two types are

What is WDM or DWDM?

Wavelength Division Multiplexing (WDM) is a technique in fiber-optic transmission for using multiple light wavelengths (or colors) to send data over the same medium.

Coarse Wavelength Division Multiplexers

The Coarse Wavelength Division Multiplexer (CWDM) series by GKER Photonics Co., Ltd is engineered to meet Telcordia standards, incorporating advanced thin film filter technology and state-of-the-art

Wavelength Division Multiplexing – WDM, coarse, dense, optical fiber ...

Wavelength division multiplexing is a multiplexing technique working in the wavelength domain. It is commonly used in the area of optical fiber communications.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

