

CWDM Mux/Demux Module - 2/4/8/16 Channel

This CWDM Mux/Demux module is a passive optical device for multiplexing or demultiplexing multiple CWDM channels. It is available in 2, 4, 8, or 16 channel configurations.



ADDITIONAL IMAGES

Payment

T/T by bank is our preferable payment method, we also accept different payments such as: LC, Western Union, Paypal and Escrow

T/T LC   

Shipment

Lead time based on our strong production capacity normally the product can ready within 3 days if the qty of the order is more than 1000pcs, maybe we need a little more time. Delivery methods big order could be by sea or air, small volume could be by Express. info@merhein.com

Warranty

All products have been checked and packed in good condition after our serious QC test. If you have any question, pls feel free to contact us, we would get it solved in limited time and our service would make you trust us. **3 years normal warranty is provided**

Remark

We answer all your inquiries in 8 hours or less guaranteed, pls feel free to contact us below
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<http://www.merhein.com>



Overview

High-Performance CWDM Multiplexing

This CWDM Mux/Demux module is a passive optical device designed to increase bandwidth capacity over existing fiber infrastructure by multiplexing or demultiplexing up to 16 channels. It features low insertion loss, high channel isolation, and excellent thermal stability, making it ideal for telecommunications and data center applications. The compact design ensures easy integration into various network environments while maintaining high reliability across a wide operating temperature range.

Key Performance Metrics

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20 nm

Channel Spacing

500 mw

Max Optical Power

45 dB

Return Loss

Technical Specifications



A compact 4-channel CWDM module designed for efficient optical signal multiplexing.

Optical Performance by Configuration

Configuration	Insertion Loss (P/A Grade)	Ripple
1x2 Channel	0.7/1.0 dB	0.3 dB
1x4 Channel	1.4/1.7 dB	0.4 dB
1x8 Channel	2.0/2.5 dB	0.5 dB
1x16 Channel	3.5/4.0 dB	0.5 dB

Operating Wavelength	1260nm to 1620nm
Fiber Type	SMF-28e or customer specified
Adjacent Channel Isolation	30 dB
Non-Adjacent Channel Isolation	50 dB

Features

Product Features

- Low Insertion Loss
- High Isolation
- Low PDL (0.2 dB)
- Compact Design
- Good channel-to-channel uniformity
- High Reliability and Stability

Applications

Primary Applications	CWDM System, PON Networks, CATV Links, Data Centers, Enterprise Networks
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Compliance & Environment

Compliance Standards

RoHS • Telcordia GR-1209-CORE-2001 • Telcordia GR-1221-CORE-1999

Operating Temperature	-40°C to +85°C
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