



2 ~ 8-Channel CWDM Mux/Demux

(Version 2.0)

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1. Overview

2~8-Channel CWDM Mux/Demux can be used in the CWDM broadband optical network solution for its steady performance and powerful function. They feature from 2 to 8 low dispersion channels, thereby enabling high capacity, low cost products for the following applications:

- Metro edge System
- Optical Fiber Device
- Digital Video Supervisory System
- Wideband Network

2. Features

- Epoxy Free
- Low Insertion Loss
- High Reliability and Stability
- Polarization Independent
- Standard and small dimension, 1/2 U high and 19-inch wide chassis.

3. Specification

Item	Unit	Parameter
Center Wavelength (λ_c)	nm	1470, 1490, ~1610 or 1471, 1491, ~1611
0.5dB Pass Band	nm	14
Ripple of Pass Band	dB	0.3
Typ. Insertion Loss	dB	3.2
Max. Insertion Loss	dB	3.6
Min. Isolation of Adjacent Channels	dB	28
Min. Isolations of Non-adjacent Channels	dB	45
Min. Directivity	dB	55
Max. Polarization Dependent Loss	dB	0.2
Min. Return Loss	dB	50
Max. Thermal Stability	dB/°C	0.007
Max. Optical Power	mW	250

4. General

4.1. Device Size

Width×Height×Depth: 436mm × 22.5mm× 150mm

4.2. Environment

- Working environment:

Temperature: 0°C ~ 65°C;

Humidity: 30% ~ 90% (25°C);

Atmospheric pressure: 86kPa~106 kPa.

- Store and transportation environment:

Temperature: -40°C ~ 85°C;

Humidity: 20% ~ 90% (25°C);

Atmospheric pressure: 86kPa~106 kPa.

5. Appearance

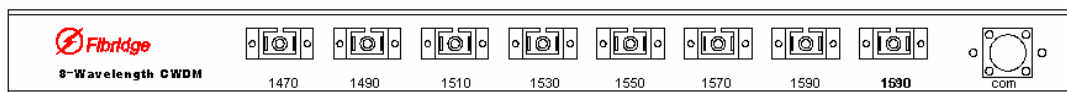


Figure1 Front Panel Appearance

6. Typical Application

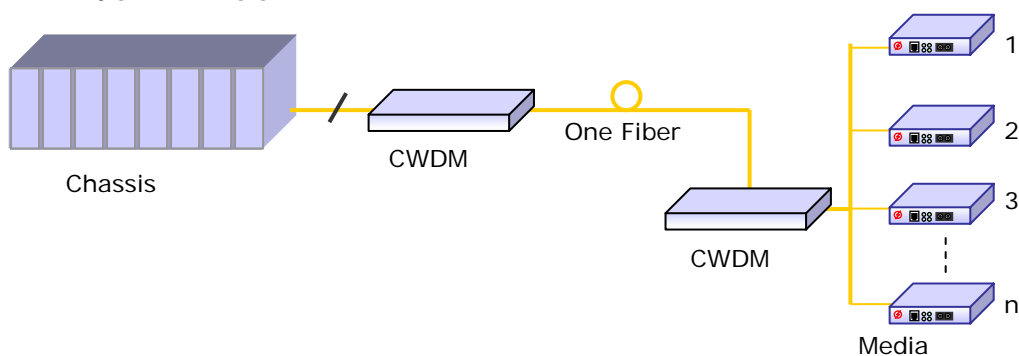


Figure 2 Typical Application

7. Order Information

F12-CWDMx

x: Represents the channel number, from 2 to 8.

NOTE: We Reserve the right to vary descriptions and specifications without notice due to Fibridge's policy of continuous product improvement.