

4ch Dual Fiber 1270-1330nm Low Insertion loss CWDM Mux Demux

FMU Plug-in Module, LC/UPC

Data Center & Cloud Computing Infrastructure Solutions



Overview

The low insertion loss CWDM Mux Demux support ITU-T G.694.2 wavelengths from 1270nm to 1330nm in 20nm increments. It is a flexible plug-and-play network solution that allows network operators to cost effectively implement point to point or ring based WDM optical networks.

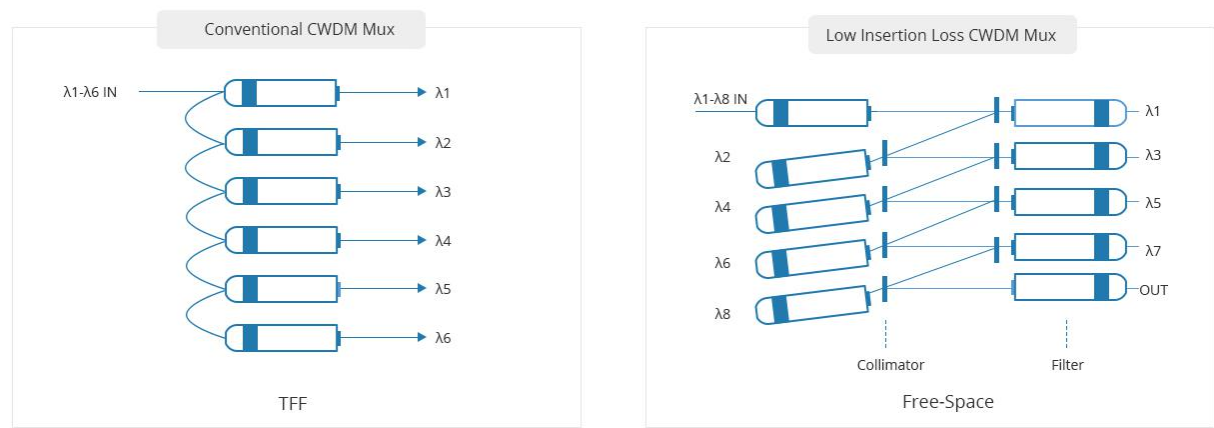
The main fields of applications are the use in SDH (STM-1, STM-4, STM-16, STM- 64), IP (Fast Ethernet, Gigabit Ethernet, 10 Gigabit) ATM and storage (1G, 2G, 4G, 8G, 10G Fiber Channel) networks.

Highlights

- Low insertion loss
- Based on thin-film filter technology
- Multiplexing of up to 4 channels on fiber pair
- Passive, no electric power required. (MTBF ca. 100000 hours)
- Low-profile modular design, fits in FMU 2-slot 1U chassis
- Standard 4-channel CWDM band 1270 nm - 1330 nm, 20 nm spacing
- Duplex LC/UPC, easily support duplex patch cables between transceiver and passive unit

Unique Free-Space Technology

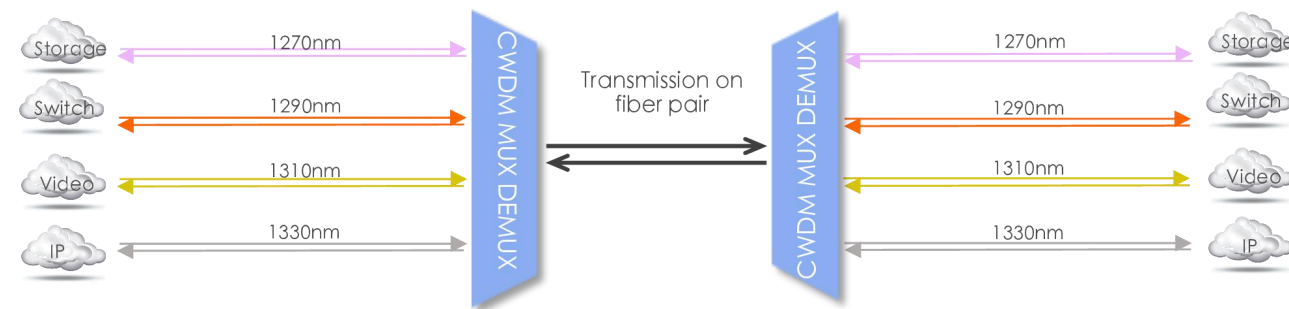
Different from the conventional CWDM Mux, the low insertion loss 4ch CWDM Mux adopts Free-Space technology, which uses light propagating in free space to wirelessly transmit data. This unique technology and great workmanship help it with low insertion loss.



General Specification

Front View	Function
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42972



Technical Data

Parameter	value
Center Wavelength	1270-1330nm
Channel Spacing	20nm
Channel Passband	± 6.5nm
Insertion Loss (Passband)	≤ 1.3dB
Technology	Free Space
Passband Ripple	≤ 0.5dB
Directivity	≥ 50dB
Return Loss	≥ 45dB
PDL	≥ 0.3dB
PMD	≤ 0.1ps
Power Handling	≤ 500mW
Operating Temperature	-40 to 85°C
Storage Temperature	-40 to 85°C
Connector Type	LC/UPC Connector
Dimensions (H x W x D)	1.73"x8.35"x10.04" (44x212x255mm)

Notes:

1.Insertion Loss is specified with connectors and adapters.