

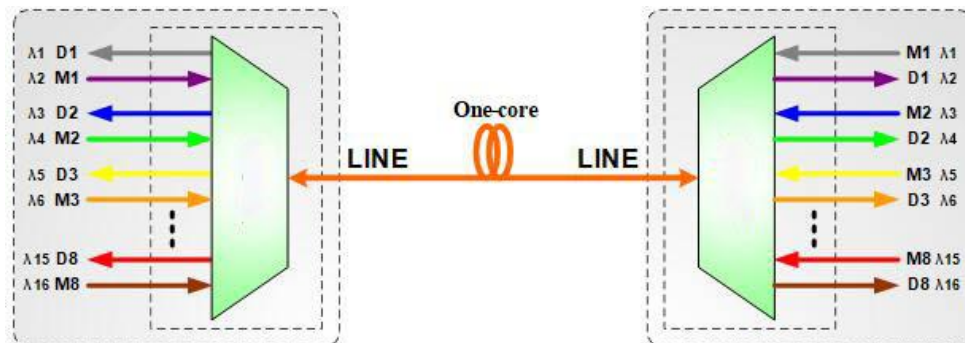
CWDM SINGLE FIBER MUX DEMUX

CWDM MUX / DEMUX SINGLE FIBER, LC/UPC, LGX



Product Features

- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ Low PDL
- ❖ Compact Design
- ❖ Good channel-to-channel uniformity
- ❖ Wide Operating Wavelength: 1270nm to 1620nm, Single fiber application
- ❖ Wide Operating Temperature: -40 to 85° C



Applications

- ❖ CWDM System
- ❖ PON Networks
- ❖ CATV links

Description

CWDM technology uses ITU standard 20nm spacing between the wavelengths, from 1270nm to 1620nm. Our CWDM module has 2 to 18 channels. The central wavelength of each channel is specified to one of the ITU-T grid wavelengths. The CWDM module features wide channel bandwidth (13nm). Its isolation is greater than 30dB for adjacent channels, and greater than 40dB for non-adjacent channels. The module also has high thermal stability to ensure reliable performance under different environment.

Specification

Parameters		2CH (4 wavelengths)	4CH(8 wavelengths)
Center Wavelength (nm)		ITU, ITU+1	
Passband (nm)		ITU±6.5	
Operating Wavelength (nm)		1270-1610nm	
Channel Space (nm)		20	
Fiber Type		SMF-28e or customer specified	
IL (dB)		2.4	4.8
Isolation (dB)	Adjacent Channel	30	
	Non-Adjacent Channel	40	
PDL (dB)		0.2	
PMD (ps)		0.1	
RL (dB)		45	
Directivity (dB)		50	
Maximum Optical Power (mw)		500	
Operating Temperature (°C)		-20~70	
Storage Temperature (°C)		-40~85	
19" Rack mount Package		1U	

Ordering Information

Part Number	Product Description
FM-1U19-4	FMU 4-Slot 1U 19" Rack Chassis Unloaded, holds up to 4 Units FMU Plug-in Module
FM-CWMUX-BD2A4761	CWDM MUX 2CH 4 wavelengths (TX:1470/1490nm, RX: 1590/1610 nm) with Express port, LC/UPC, Single fiber, LGX BOX
FM-CWMUX-BD2B4761	CWDM MUX 2CH 4 wavelengths (TX:1590/1610nm, RX: 1470/1490 nm) with Express port, LC/UPC, Single fiber, LGX BOX
FM-CWMUX-BD2AXXXX	CWDM MUX 2CH 4 wavelengths (TX:XX/XXnm, RX: XX/XX nm) with Express port, LC/UPC, Single fiber, LGX BOX
FM-CWMUX-BD2BXXXX	CWDM MUX 2CH 4 wavelengths (TX:XX/XX nm, RX: XX/XX nm) with Express port, LC/UPC, Single fiber, LGX BOX
FM-CWMUX-BD4A4761	CWDM MUX 4CH 8 wavelengths (TX:1470/1490/1510/1530nm, RX:1550/1570/1590/1610 nm) with Express port, LC/UPC, Single fiber, LGX BOX
FM-CWMUX-BD4B4761	CWDM MUX 4CH 8 wavelengths (TX:1550/1570/1590/1610nm, RX: 1470/1490/1510/1530nm) with Express port, LC/UPC, Single fiber, LGX BOX
FM-CWMUX-BD4AXXXX	CWDM MUX 4CH 8 wavelengths (TX:XX/XX/XX/XXnm, RX:XX/XX/XX/XX nm) with Express port, LC/UPC, Single fiber, LGX BOX
FM-CWMUX-BD4BXXXX	CWDM MUX 4CH 8 wavelengths (TX:XX/XX/XX/XXnm, RX: XX/XX/XX/XXnm) with Express port, LC/UPC, Single fiber, LGX BOX
Others	Customer Specified

Note: FM-CWMUX-BD4A4761 and FM-CWMUX-BD4B4761 used in pair.