

CWDM Multiplexer Module

CWDM is a low-cost WDM transmission technology for the access layer of the metropolitan area network. In principle, CWDM uses an optical multiplexer to multiplex optical signals of different wavelengths into a single optical fiber for transmission. At the receiving end of the link, the mixed signal in the optical fiber is decomposed into different wavelengths by means of an optical demultiplexer. Signal, connect to the corresponding receiving device.

Place of Origin: Shenzhen, China

Brand Name: OPTICO

Model Number: OP-CWDM-18CH

Fiber Type: SMF

Connector Type: LC/UPC

Application: WDM Networking

Model: Mux / Demux

Color: Black

Wavelength: 1310, 1550nm

Material: ABS

Certification: CE, RoHS, FCC, ISO9001:2008

Operating temperature: -40~+85°C

Supply Ability: 10000 Pairs per Month

Port: shenzhen

Features:

Broad operating band

Low excess loss

High stability and reliability

Applications:

Multi mode fiber communication systems

Optical LAN

Test instruments

Optical fiber sensors

Specification

Parameter	4 Channel		8 Channel		18 Channel	
	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength (nm)	1270~1610					
Center wavelength Accuracy (nm)	±0.5					
Channel Spacing (nm)	20					
Channel Passband (@-0.5dB bandwidth (nm)	>13					

Insertion Loss (dB)	≤1.6		≤2.5		≤3.0	
Channel Uniformity (dB)	≤0.6		≤1.0		≤1.5	
Channel Ripple (dB)	0.3					
Isolation (dB)	Adjacent	N/A	>30	N/A	>30	N/A
	Non-adjacent	N/A	>40	N/A	>40	N/A
Insertion Loss Temperature Sensitivity (dB/°C)	<0.005					
Wavelength Temperature Shifting (nm/°C)	<0.002					
Polarization Dependent Loss (dB)	<0.1					
Polarization Mode Dispersion	<0.1					
Directivity (dB)	>50					
Return Loss (dB)	>45					
Maximum Power Handling (mW)	300					
Operating Temperature (°C)	-5~+75					
Storage Temperature (°C)	-40~85					

Certificates:



CE

CPR

ISO

RoHS

Factory:

Shenzhen Optico Communication Co.,Ltd





Keywords:

CWDM, multiplexer, WDM network;