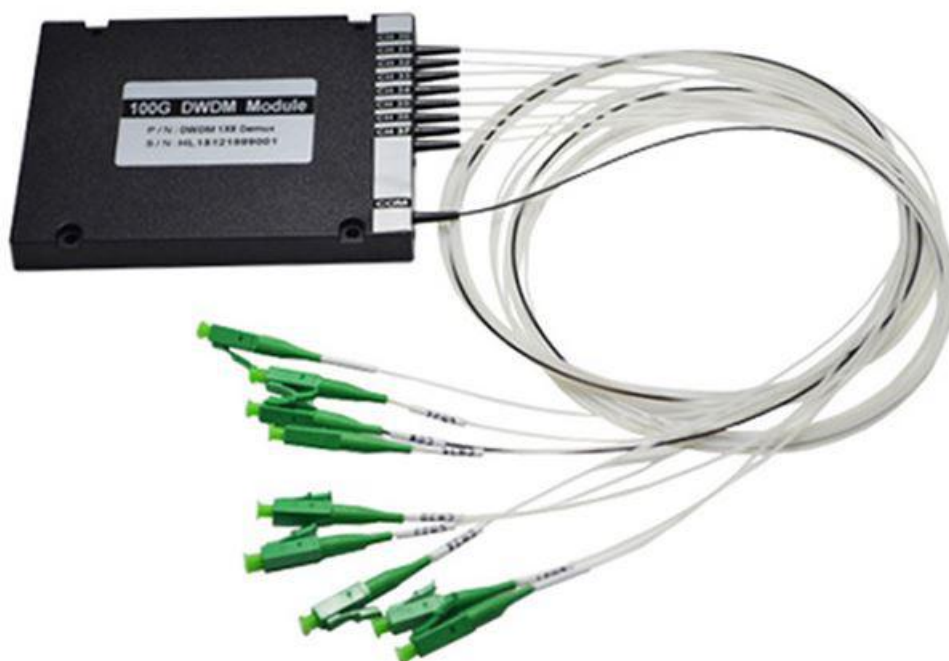


DWDM Mux Demux 8 Channel

Product Introduction

Dense Wavelength Division Multiplexing (Dense Wavelength Division Multiplexing) technology, also known as DWDM, refers to an optical fiber data transmission technology. This technology uses the wavelength of the laser to transmit in parallel according to bits or string line transmission. Data is transmitted in the optical fiber. DWDM is an important part of the optical fiber network. It allows IP, ATM, and synchronous optical network / synchronous digital sequence (SONET / SDH) protocols to carry e-mail, video, multimedia, data, and voice data through a unified optical fiber Layer transmission.





Dense wavelength division multiplexer(DWDM) is based on the membrane filter technique and proprietary non-flux metal bonding micro-optics packaging design, within ITU wavelengths to achieve uplink and downlink. It provides ITU channel center wavelength, low insertion loss, high channel isolation, low power consumption, wide passband characteristics, no glue loop, excellent thermal stability and reliability and so on. In a telecommunications network system, it can be used for uplink or downlink optical signal.

Technical Specifications

Parameter	4 Channel		8 Channel		16 Channel	
	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength(nm)	1270~1610					
Center wavelength Accuracy(nm)	±0.5					
Channel Spacing(nm)	20					
Channel Pass band(@-0.5dB bandwidth (nm)	>14					
Insertion Loss(dB)	≤1.4	≤2.6	≤5.0			
Channel Uniformity (dB)	≤0.5	≤0.5	≤0.5			

Channel Ripple (dB)	0.3
Isolation (dB) Adjacent	N/A >30 N/A >30 N/A >30
Non-adjacent	N/A >40 N/A >40 N/A >40
Insertion Loss Temperature Sensitivity (dB/°C)	<0.005
Wavelength Temperature Shifting (nm/°C)	<0.002
Polarization Dependent Loss (dB)	<0.1
Polarization Mode Dispersion (PS)	<0.1
Directivity (dB)	>50
Return Loss(dB)	>45
Maximum Power Handling(mW)	500
Operating Temperature(°C)	-5~+75
Storage Temperature (°C)	-40~85
Package dimension(mm)	1. L100 x W80 x H10 (2 CH~8CH Module)
	2. L120xW800xH18 (9 CH~18CH Module)

Features

- 1)Low Insertion Loss
- 2)High Channel Isolation
- 3)Optical path epoxy free
- 4)Excellent thermal stability and reliability
- 5)telcordia GR-1221 Compliance and RoHS Environmental Protection Standard

Application

- 1)DWDM Network
- 2)Add/Drop System
- 3)CATV Fiberoptic System
- 4)Metro/Access Network
- 5)Fiber Optical Amplifier

Order Information

Configuration	Channel No.	Channel	Pigtail Type	Fiber length	Dimensio(mm)	Connector
M=Mux D=Demux	04=4 Chann el	27=1270nm				0=None
	08=8 Chann el	47=1470nm	0=250um	1=1m	1=L100 x W80 xH10	1=FC/APC
	16=16 Chan nel	49=1490nm	1=900um	2=1.5m	2=L120xW80xH18	2=FC/PC
	N=N Chann el	2=2.0mm	3=others	3=19 1U Rack	3=SC/APC
		61=1610nm	3=3.0mm			4=SC/PC
	SS=special...				5=other	

