

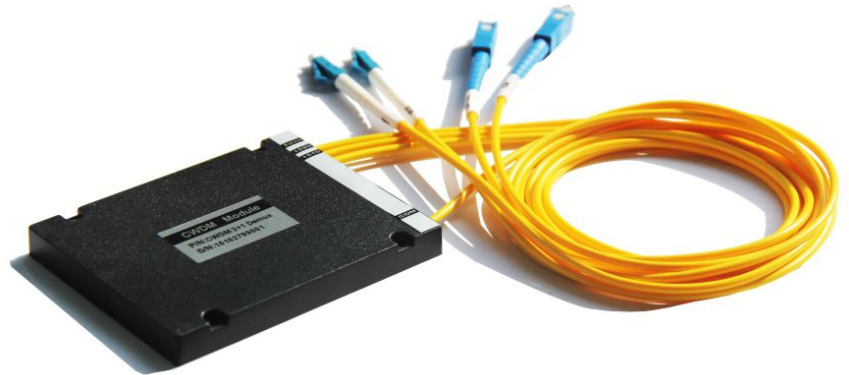
## CWDM

### Features

- ◆ Low Insertion loss
- ◆ Wide pass band
- ◆ High Channel Isolation
- ◆ High Stability and reliability
- ◆ Epoxy-free on Optical Path

### Applications

- ◆ Line Monitoring
- ◆ WDM Network
- ◆ Telecommunication
- ◆ Cellular Application
- ◆ Fiber Optical amplifier
- ◆ Access Network



### Description

Gezhi Photonics offers a full range of CWDM Mux-Demux and Optical Add Drop Multiplexer (OADM) units to suit all kinds applications and network solutions. Some most common ones are: Gigabit & 10G Ethernet, SDH/SONET, ATM, ESCON, Fibre Channel, FTTx and CATV.

Gezhi Photonics' Coarse wavelength division multiplexer (CWDM Mux/Demux) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path.

Our CWDM Mux Demux products provide up to 16-channel or even 18-channel Multiplexing on a single fiber. Due the the low insertion loss is needed in WDM networks, we can also add "Skip Component" in a CWDM Mux/Demux module to reduce the IL as an option. Standard CWDM Mux/Demux package type include: ABS box package, LGX package and 19" 1U rackmount.



### Technical Parameter

Parameter	1x2		1x4		1x8		1x16	
	Mux	Demux	Mux	Demux	Mux	Demux	Mux	Demux
Center Wavelength (nm)	ITU, ITU+1							
Passband (nm)	ITU±6.5							
Operating Wavelength (nm)	1260~1620							
Channel Space (nm)	20							
Fiber Type	SMF-28e or customer specified							
IL (dB) (P/A Grade)	0.7/1.0		1.4/1.7		2.0/2.5		3.5/4.0	
Isolation(dB)	Adjacent Channel		30					
	Non-Adjacent Channel		45					
Ripple (dB)	0.3		0.4		0.5		0.5	
PDL (dB)	0.2							
PMD (ps)	0.1							
Return Loss (dB)	45							
Directivity (dB)	50							
Maximum Optical Power (mw)	500							
Operating Temperature (°C)	-20~+70							
Storage Temperature (°C)	-40~85							
BOX Package (mm)	100*80*10						140*115*18	
LGX Package	1U, 2U							
19" Rack mount Package	1U							

### Ordering information

CWDM	-	XXX	-	XX	-	XX	-	XX	-	XX	-	XX
		Number of Channels		Module type		Cable type		Fiber length		Input connector		Output connector
CWDM		01=1Channel		0=100x80x10		00=none		05=0.5m		0=none		0=none
		02=2 Channel		mm		09=900um		10=1.0m		1=LC/UPC		1=LC/UPC
		03=3 Channel		1=142x102x14.5		Loose tube		15=1.5m		2=LC/APC		2=LC/APC
		04=4 Channel		mm		20=2.0mm		30=3.0m		3=SC/UPC		3=SC/UPC
		.....		2=LGX Box		30=3.0mm		40=4.0m		4=SC/APC		4=SC/APC
		16=16Channel		3=19" 1U Rack				50=5.0m		5=FC/UPC		5=FC/UPC
		17=17Channel		X=Others				.....		6=FC/APC		6=FC/APC
		18=18Channel								7=LC/APC		7=LC/APC
										X=Customized		X=Customized