

## CWDM Mux/Demux Module

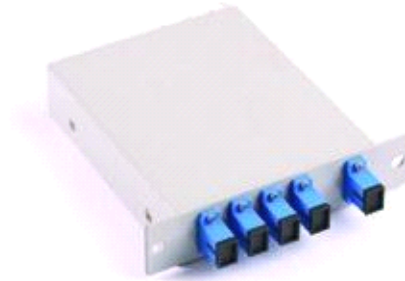
### 1. Features

- ◆ Low Insertion Loss
- ◆ High Isolation
- ◆ Low PDL
- ◆ Compact Design
- ◆ Good channel-to-channel uniformity
- ◆ Wide Operating Wavelength:  
From 1260nm to 1620nm
- ◆ Wide Operating Temperature:  
From -40°C to 85°C
- ◆ High Reliability and Stability



### 2. Applications

- ◆ CWDM System
- ◆ PON Networks
- ◆ CATV Links



### 3. Compliance

- ◆ Telcordia GR-1209-CORE-2001
- ◆ Telcordia GR-1221-CORE-1999
- ◆ RoHS



### 4. Specifications



**1×N CWDM Mux/Demux Module**

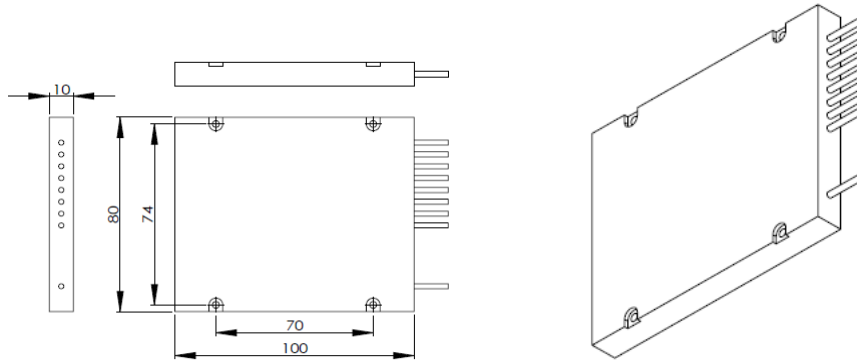
Parameters		1x2	1x4	1x8	1x16
Center Wavelength (nm)		ITU, ITU+1			
Passband (nm)		ITU±6.5			
Operating Wavelength (nm)		1460~1620 or 1260~1620			
Channel Space (nm)		20			
Fiber Type		SMF-28e or customer specified			
IL (dB) (P/A Grade)		0.7/1.0	1.4/1.7	2.0/2.5	3.5/4.0
Isolation (dB)	Adjacent Channel	30			
	Non-Adjacent Channel	50			
Ripple (dB)		0.3	0.4	0.5	0.5
PDL (dB)		0.2			
PMD (ps)		0.1			
RL (dB)		45			
Directivity (dB)		50			
Maximum Optical Power (mw)		500			
Operating Temperature (°C)		-40~85			
Storage Temperature (°C)		-40~85			
BOX Package (mm)		100*80*10			140*115*18
LGX Package		1U, 2U			
19" Rack mount Package		1U			

Notes:

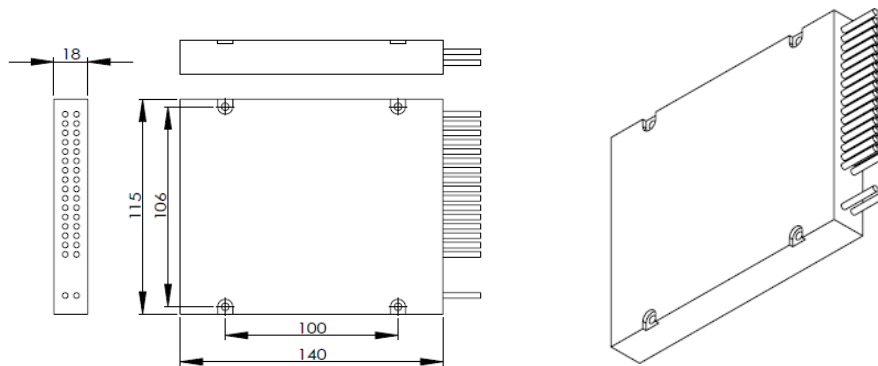
1. Specified without connectors.
2. Add an additional 0.2dB loss per connector.

## 5. Mechanical Dimensions

### CWDM Mux/Demux Module



100X80X10



140X115X18

## 6. Ordering information

### CWDM Mux/Demux Module

XX	X	X	XX	XX	XX	XX	X	X
Post Configuration	WDM type	Module Type	Initial Wavelength	Package type	Fiber type	Output fiber length	Input	Output
01=1*1	C=CWDM 1460-1620	M=Mux	47=1470/1471	PL=140X115X18, plastic	09=900µm loose tube	10=1.0m	0=None	0=None
02=1*2	Q=CWDM 1260-1620	D=Demux	...	PK=120X80X10, plastic	20=2.0mm loose tube	12=1.2m	1=FC/APC	1=FC/APC
...	X=100G DWDM	1=Mux&1310nm port	61=1610/1611	PS=100X80X10, plastic	30=3.0mm loose tube	15=1.5m	2=FC/APC	2=FC/APC
16=1*16	Y=200G DWDM	2=Demux&1310nm port	21=210H	LR=L63 box, metal	...	XX=Customized	3=SC/APC	3=SC/APC
		3=Mux&Upgrade	...	19=1.9" 1U Back-Mount	...		4=SC/APC	4=SC/APC
		4=Demux&Upgrade	49=490H	III=Customized	...		5=LC/APC	5=LC/APC
		5=Mux&1310nm port&Upgrade	...		...		6=LC/APC	6=LC/APC
		6=Demux&1310nm port&Upgrade	...		...		X=Customized	X=Customized
		7=Mux&1310nm port&Monitor	...		...			
		8=Demux&1310nm port&Monitor	...		...			

E-mail: sales@6comgiga.com

Web : www.6comgiga.com