

Features

- Low Insertion Loss
- High isolation
- Low Polarization Dependent Loss (PDL)
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength: 1260~1620nm
- Wide Operating Temperature: from 0°C to 70°C
- High reliability and high stability

Applications

- WDM System
- PON Networks
- CATV Links

Compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

Description

The Optech CWDM Mux& Demux Module are based on thin film filter technology and core of packaged. This CWDM features ultra low loss and super thermal stability, and unparallel reliability. Packaging options include fiber type and integration of aps and detectors for a complete Coarse Wavelength Division Multiplexing solution.

Specifications

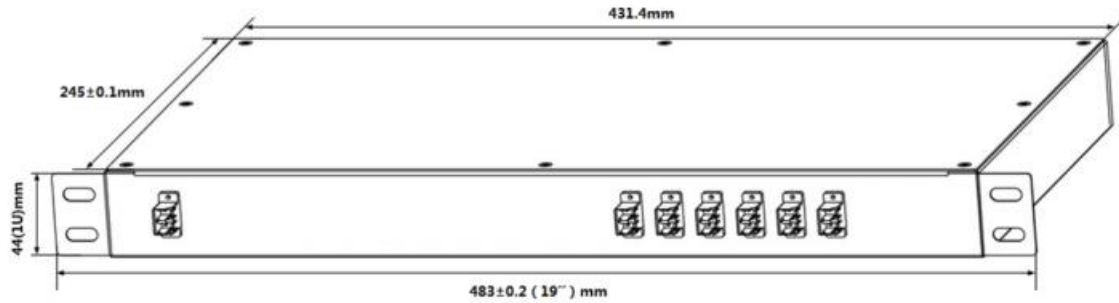
<i>Parameters</i>	<i>Unit</i>	<i>6CH CWDM</i>	
		<i>MUX</i>	<i>DEMUX</i>
Center Wavelength	nm	1271/1291/1311/1331/1351/1371	
Pass band @0.5dB	nm	+/-6.5	
Operating Wavelength	nm	1260~1620	
Channel Space	nm	20	
Fiber Type	/	G657.A1	
Channels IL	Max dB	2.4	
Link Loss	Max dB	3.3	
Adjacent Channels Isolation	Min dB	/	30
Non-Adjacent Channels Isolation	Min dB	/	45
Ripple	Max dB	0.5	
PDL	Max dB	0.2	
PMD	Max ps	0.1	
RL	Min dB	50	
Directivity	Min dB	55	
Max Power	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Housing Dimensions(L x W x H)	mm	19'1U Rack mount	

Note:

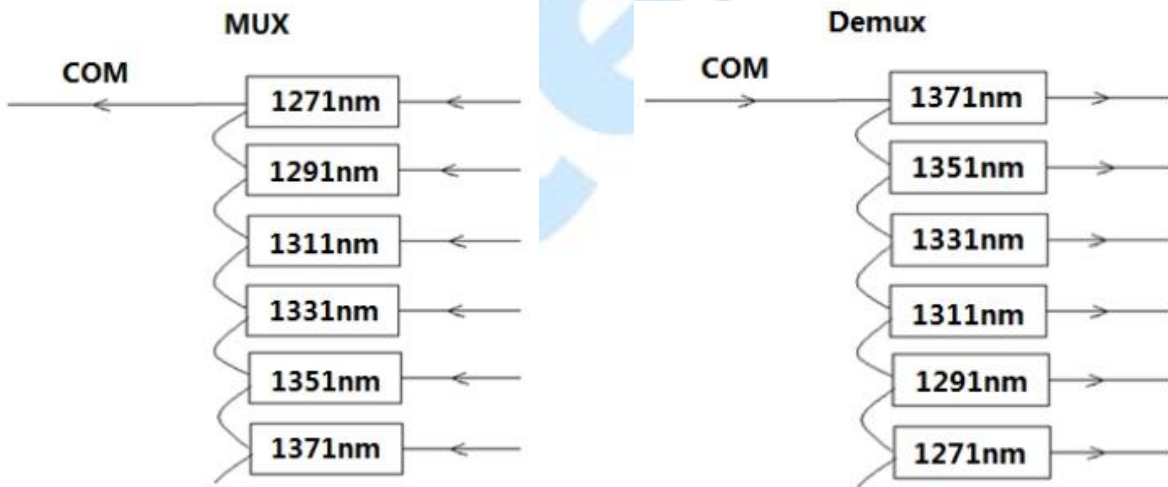
1. All the specifications are based on the devices with connectors, and guaranteed over wavelength, temperature.

Mechanical Dimensions

19-inch Rack Mount (LC Type)



Structure Diagram



Ordering Information

OP	0	4	Q	M	SS	LX	XX	XX	X	X
	Port Configuration		WDM type	Module Type	Initial Wavelength	Package Type	Fiber Type	Output fiber length	Input	Output
	01=1*1		C=CWDM	M=Mux	47=1470/1471	PL=140x115x18,plastic	09=900 μm	10=1.0m	0=None	0=None
	02=1*2		1460~1620	D=Demux	.....	PK=120x80x18, plastic	loose tube	12=1.2m	1=FC/UPC	1=FC/UPC
	.....		D=CWDM	1=Mux&1310nm Port	61=1610/1611	PS=100x80x10,plastic	20=2.0 mm	15=1.5m	2=FC/APC	2=FC/APC
	16=1*16		1510~1620	2=Demux&1310nm port	21=21CH	LX=LG box,metal	loose tube	XX=Customiized	3=SC/UPC	3=SC/UPC
			Q=CWDM	3=Mux&Upgrade	.....	19=19' 1U Back-Mount	30=3.0 mm		4=SC/APC	4=SC/APC
			1260~1620	4=Demux&Urgrade	49=49CH	SS=Customized	loose tube		5=LC/UPC	5=LC/UPC
			X=100GHz	5=Mux&1310nm port&Urgrade	SS=Customized				6=LC/APC	6=LC/APC
			DWDM	6=Demux&1310nm port&Urgrade					S=Customized	S=Customized
			Y=200GHz	7=Mux&1Monitor						
			DWDM	8=Demux&1Monitor						
				9=Mux & 2Monitor						
				A=Demux & 2Monitor						

Note: All information contained in this document is subject to change without notice.