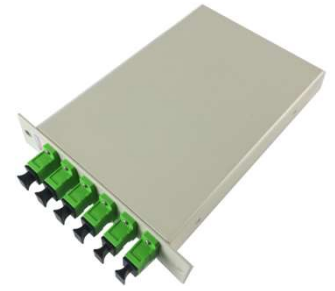


O-Band xWDM Module

Auxora's O-Band 200G/400G channel Space xWDM Module is designed to combine/separate multiple OBand xWDM signals based on TFF technology. We can provide full complete configuration such as 2, 4, 8, 16 channels.

The O-Band module features low insertion loss, as well as broad pass band and high isolation, which makes it to be ideally used for 100G O-band xWDM Transceivers as well as Datacom network applications.



FEATURES

- Low insertion loss and High channel isolation
- Exceptional reliability and stability
- Epoxy free optical path
- Telcordia GR-1221 and GR1209 compliant

APPLICATIONS

- DWDM system
- Wavelength routing

SPECIFICATIONS

Parameters		2CH	4CH	8CH	16CH
Operating Wavelength (nm)		1260~1360			
Channel Spacing (GHz)		200G or 400G			
Channel Plan(nm)		See channel Plan			
IL (dB)	Type	≤1.0	≤1.8	≤2.5	≤4.0
	Max	≤1.2	≤2.0	≤2.7	≤4.2
Isolation (dB)	Adjacent Channel	≥25			
	Non-Adjacent Channel	≥35			
Pass band Ripple (dB)		≤0.5			
PDL (dB)		≤0.25			
PMD (ps)		≤0.1			
RL (dB)		≥50			
Directivity (dB)		≥50			
Max. Optical Power (mw)		500			
Operating Temperature (°C)		-5~75			
Storage Temperature (°C)		-40~85			
Fiber Type		Corning SMF-28 Ultra or G.657.A			
Package Dimension (mm)		ABS or LGX or 19" Rack or Customized			

NOTES:

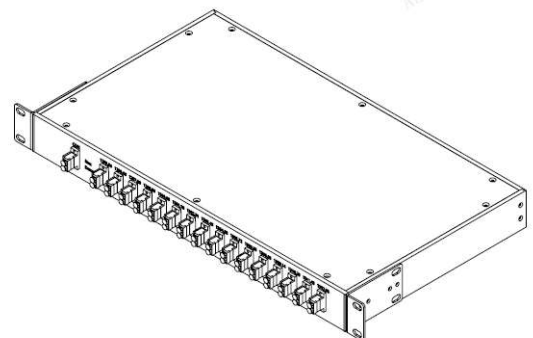
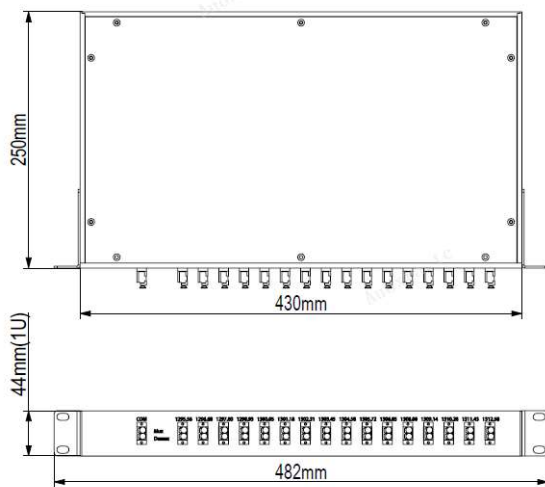
- 1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
- 2) PMD and chromatic dispersion values are guaranteed by design.
- 3) IL is 0.3 dB higher, RL is 5 dB lower for connector added.

Channel Plan:

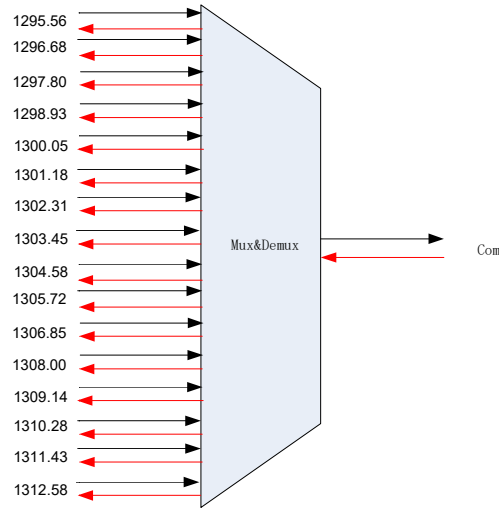
Frequency (THz)	200G	400G
	Wavelength (nm)	
231.4	1295.56	1295.56
231.2	1296.68	
231.0	1297.80	1297.80
230.8	1298.93	
230.6	1300.05	1300.05
230.4	1301.18	
230.2	1302.31	1302.31
230.0	1303.45	
229.8	1304.58	1304.58
229.6	1305.72	
229.4	1306.85	1306.85
229.2	1308.00	
229.0	1309.14	1309.14
228.8	1310.28	
228.6	1311.43	1311.43
228.4	1312.58	

Mechanical Drawing: (only for reference)

- **19" 1RU Rack chassis**



Inter-connect Diagram:



Ordering Information: (e.g.AODM-211600XX191-1010-55)

AODM-	X	X	XX	XX(X)	XX	XX	X	-		-	X	X		
								Fiber Length					Connector	
								Input	Output				Input	Output
	2=200GHz	X	02=2-CH	00=None	XX= customized	P0=80*60*8	0=250um Bare fiber	10=1.0m	10=1.0m		0=None	0=None		
	4=400GHz	M=Mux	01=Monitor Port		P1=80*60*12	1=900um tube	12=1.2m	12=1.2m		1=FC/UPC	1=FC/UPC		
		D=Demux	16=16-CH	02=UPG Port		P2=125*96*15	2=2.0mm Cable	-----	-----		2=FC/APC	2=FC/APC		
		1=Mux+Demux over Dual fiber		03=UPG+Monitor Port		P3=100*80*10	3=3.0mm Cable	15=1.5m	15=1.5m		3=SC/UPC	3=SC/UPC		
		S=Special				PM=120*80*18	N=NA	NA=NA	NA=NA		4=SC/APC	4=SC/APC		
						PL=140*115*18	X=Customized	XX=customized	XX=customized		5=LC/UPC	5=LC/UPC		
						L1=0.5 W LGX					6=LC/APC	6=LC/APC		
						L2=1W LGX					XX=Customized	XX=Customized		
						L3=2W LGX								
						19=19"rack mount								
						XX= customized								