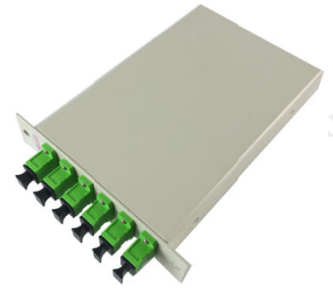


Simplex Bi-directional DWDM Mux & Demux

Auxora's Simplex BiDi DWDM MUX&DEMUX Module is designed to combine/separate multiple DWDM signals (up to 48 channels) into one fiber through TFF technology. We can provide full complete configuration such as 2, 4, 8, 16, up to 48 channels.

Auxora can also provide customized design to suit options of CWDM upgrade port, DWDM upgrade port, monitor ports, bi-directional com port TX/RX, 1310nm and 1550nm wideband port for existing 1310nm and 1550nm equipment.



FEATURES

- Low insertion loss and High channel isolation
- Exceptional reliability and stability
- Optional extension and wide band ports for network upgrade, existing equipment or add/drop
- Epoxy free optical path
- Telcordia GR-1221 and GR1209 compliant

APPLICATIONS

- DWDM system
- CATV links
- Wavelength routing
- PON network

SPECIFICATIONS

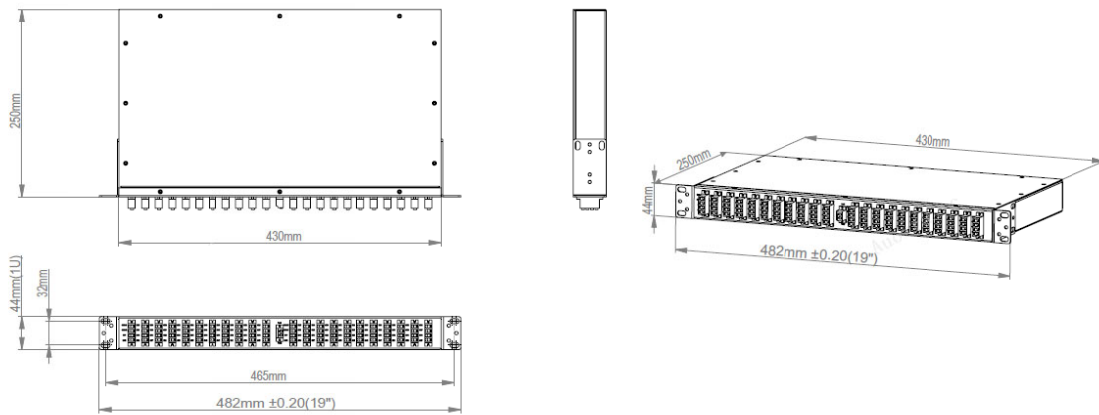
Parameters		1CH	2CH	3CH	4CH	5CH	6CH	7CH	8CH
Operating Wavelength (nm)		1520~1620							
Channel Spacing (GHz)		100							
Channel Passband (nm)		ITU \pm 0.125							
IL (dB)	Type	≤ 1.0	≤ 1.6	≤ 2.0	≤ 2.5	≤ 2.8	≤ 3.1	≤ 3.3	≤ 3.5
	Max	≤ 1.4	≤ 2.0	≤ 2.6	≤ 3.0	≤ 3.4	≤ 3.6	≤ 3.8	≤ 4.0
Isolation (dB)	Adjacent Channel	≥ 30							
	Non-Adjacent Channel	≥ 45							
Pass band Ripple (dB)		≤ 0.5							
PDL (dB)		≤ 0.2							
PMD (ps)		≤ 0.1							
RL (dB)		≥ 50							
Directivity (dB)		≥ 50							
Max. Optical Power (mw)		300							
Operating Temperature (°C)		-5~75 (C-temp)							
		-40~85 (I-temp)							
Storage Temperature (°C)		-40~85							
Fiber Type		Corning SMF-28e or G657A							
Package Dimension (mm)		ABS or LGX or 19" Rack or Customized							

NOTES:

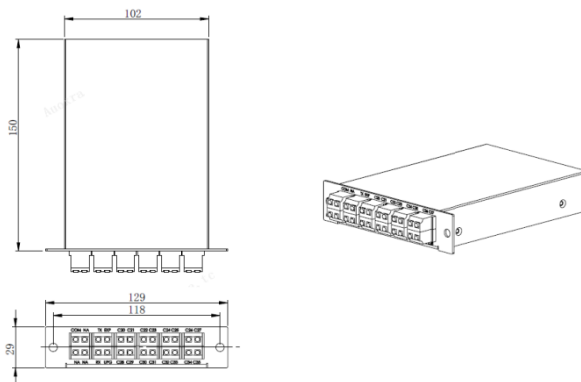
- 1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
- 2) PMD and chromatic dispersion values are guaranteed by design.
- 3) IL is 0.3 dB higher, RL is 5 dB lower for connector added.
- 4) For modules with monitoring port/skipper UPG port/1310nm legacy port, IL is 0.3dB higher.
- 5) Specifications are subject to change without notice.

Mechanical Drawing: (only for reference)

- 19" 1RU Rack chassis or 23" 1RU Rack chassis



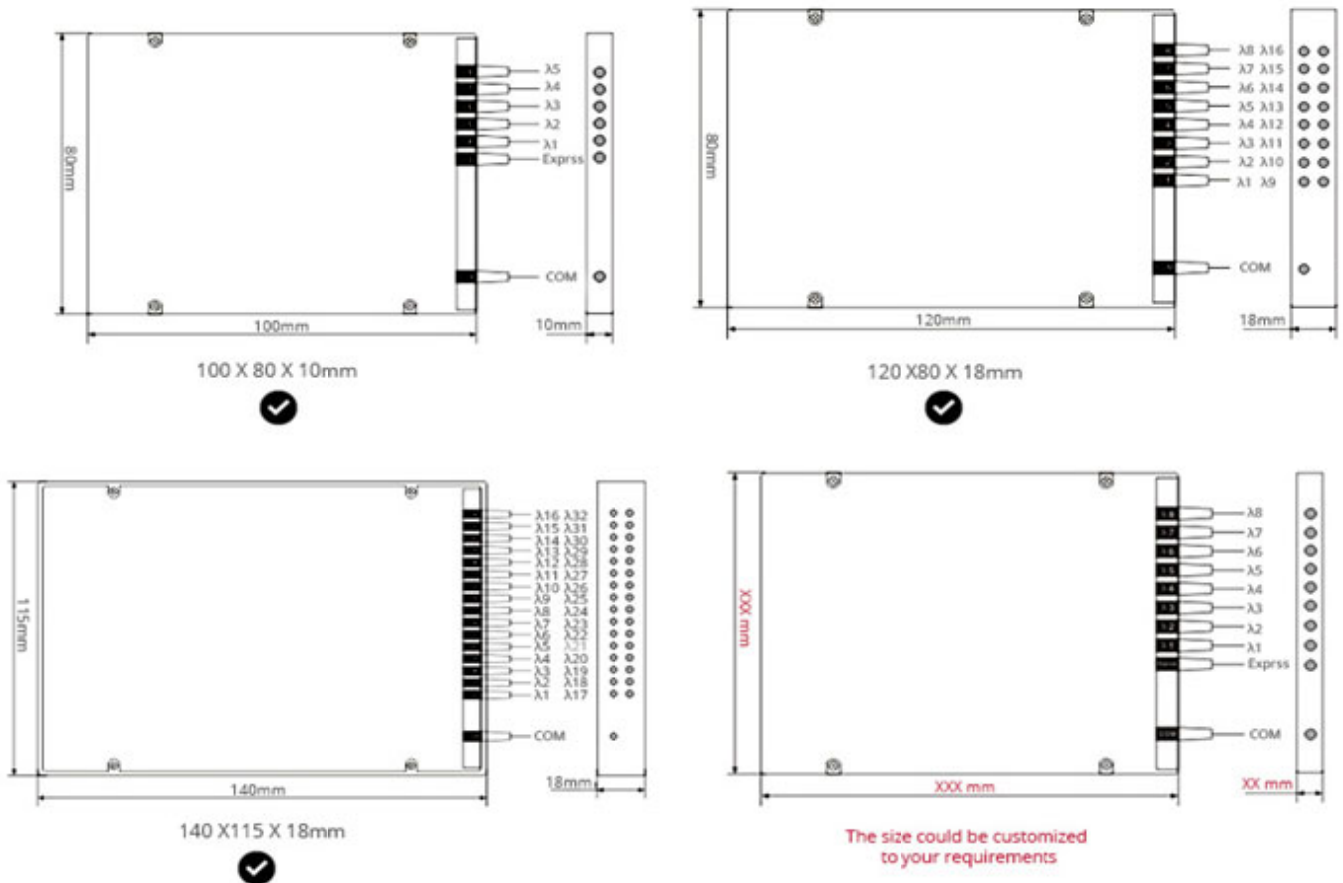
- Standard LGX



150x129X29mm (standard LGX)

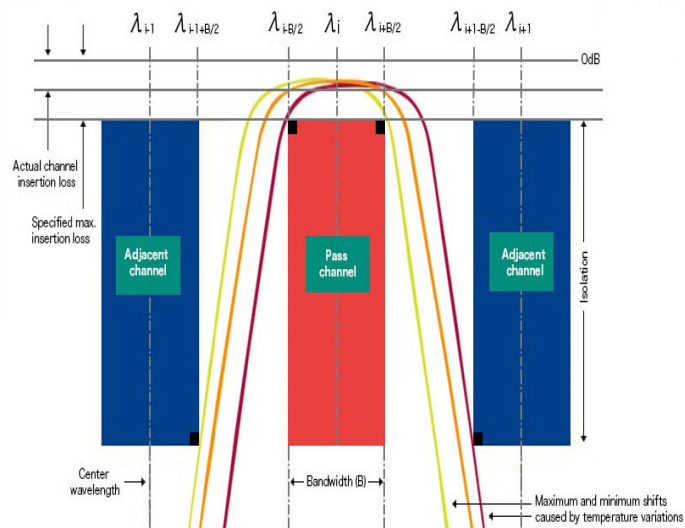
In addition to the standard LGX, we can supply 0.5W LGX (129*150*14.5mm) and 2W LGX (129*150*58mm)

● **ABS Box**

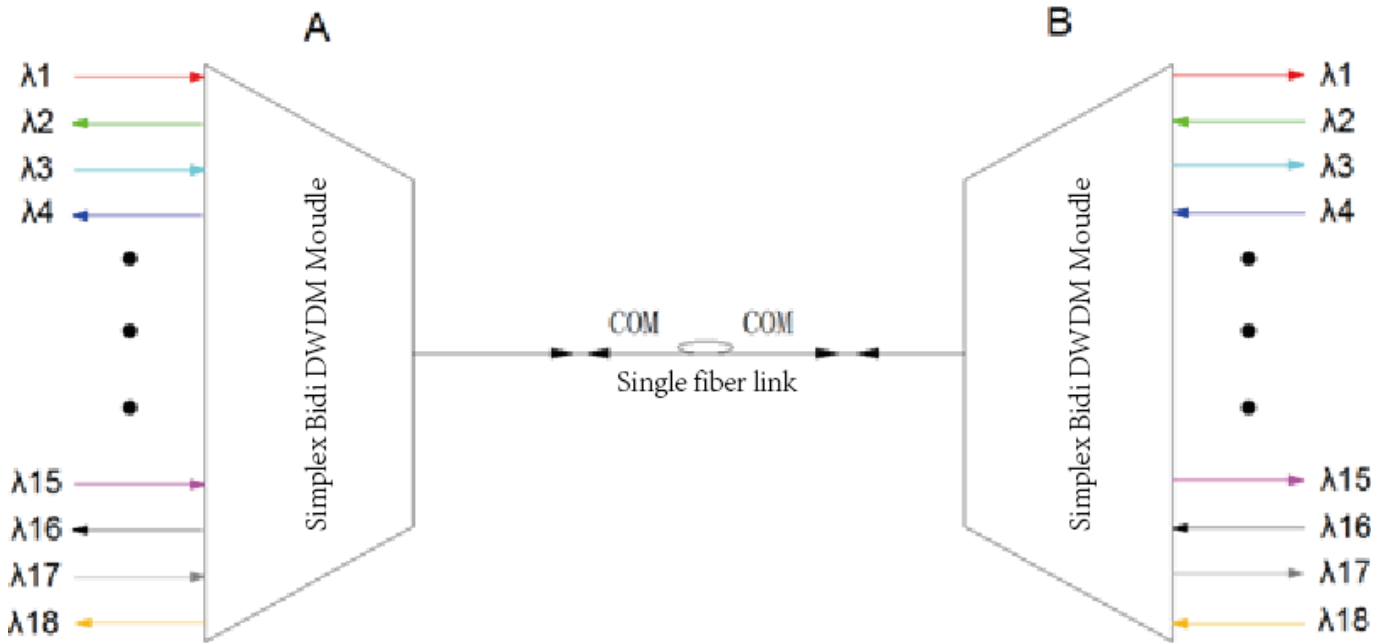


Please note that the drawings shown here only refer to the dimensions and don't not show the specific configuration of the module.

Typical Spectral Diagram:



Inter-connect Diagram:



Ordering Information: (e.g.ADM-12080020PS1-1010-55)

ADM-	X	X	XX	XX(X)	XX	XX	X	-	Fiber Length		-	Connector	
									Input	Output		Input	Output
WDM Type	Module Type	Port Configuration	Special Ports	Initial Wavelength	Package Type	Fiber Jacket							
1=100GHz	2=Mux+Demux over single fiber	01=1-CH	00=None	15=C15	P0=80*60*8	0=250um Bare fiber			10=1.0m	10=1.0m		0=None	0=None
2=200GHz	X= customized	02=2-CH	01=1310nm Port	16=C16	P1=80*60*12	1=900um tube			12=1.2m	12=1.2m		1=FC/UPC	1=FC/UPC
		02=Monitor Port	P2=125*96*15	2=2.0mm Cable			---	---		2=FC/APC	2=FC/APC
		48=48-CH	03=Express Port	72=C72	PS=100*80*10	3=3.0mm Cable			15=1.5m	15=1.5m		3=SC/UPC	3=SC/UPC
			04=UPG with Skipper		PM=110*80*18	N=NA			NA=NA	NA=NA		4=SC/APC	4=SC/APC
			12=1310nm+Mon.		PL=140*115*18	X=Customized			XX=customized	XX=customized		5=LC/UPC	5=LC/UPC
			13=1310nm+EXP.		L1=0.5 W LGX							6=LC/APC	6=LC/APC
			42=UPG+Monitor		L2=1W LGX							XX=Customized	XX=Customized
				L3=2W LGX								
			123=Express+Monitor +EXP.		19=19*rack mount								
					XX= customized								