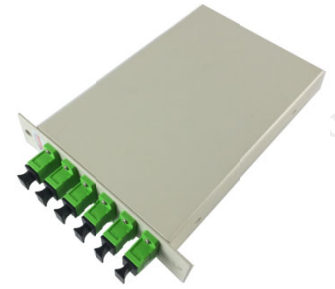


Duplex DWDM MUX&DEMUX Module

Auxora's Duplex DWDM MUX&DEMUX Module is designed to combine/separate multiple DWDM signals over two fibers based on TFF technology. We can provide full complete configuration such as 2, 4, 8, 16, up to 88 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

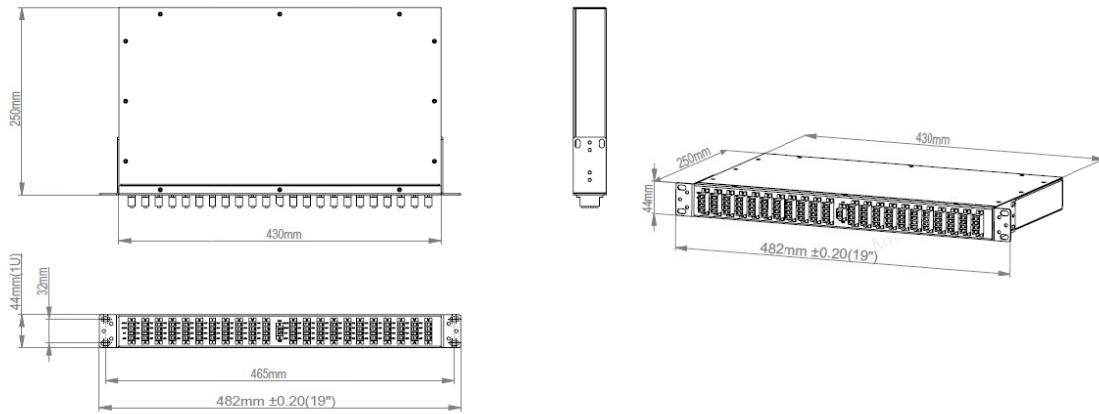
Parameters		2CH	4CH	8CH	16CH	20CH	40CH
Operating Wavelength (nm)		1520~1620					
Channel Spacing (GHz)		100					
Channel Passband (nm)		ITU \pm 0.125					
IL (dB)	Type	≤ 1.0	≤ 1.6	≤ 2.5	≤ 3.5	≤ 4.0	≤ 4.4
	Max	≤ 1.4	≤ 2.0	≤ 3.0	≤ 4.0	≤ 4.5	≤ 5.0
Isolation (dB)	Adjacent Channel	≥ 30					
	Non-Adjacent Channel	≥ 45					
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 ($^{\circ}$ C)		-5~75 (C-temp)					
		-40~85 (I-temp)					
Storage Temperature ($^{\circ}$ C)		-40~85					
Fiber Type		Corning SMF-28e or G657A					
Package Dimension (mm)		ABS or LGX or 19" Rack or Customized					

NOTES:

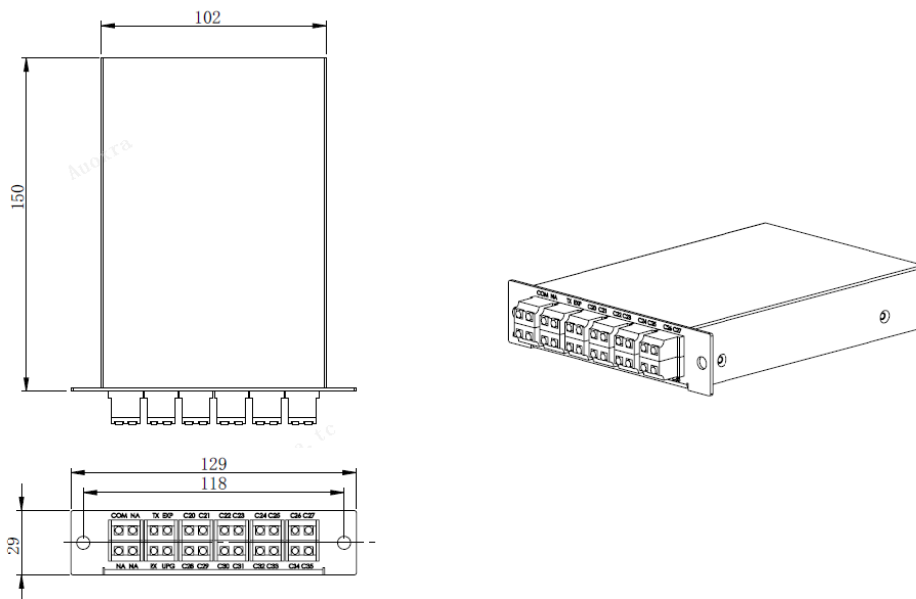
- 1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
- 2) PMD and chromatic dispersion values are guaranteed by design.
- 3) IL is 0.3 dB higher, RL is 5 dB lower for connector added.
- 4 For modules with monitoring port/skipper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



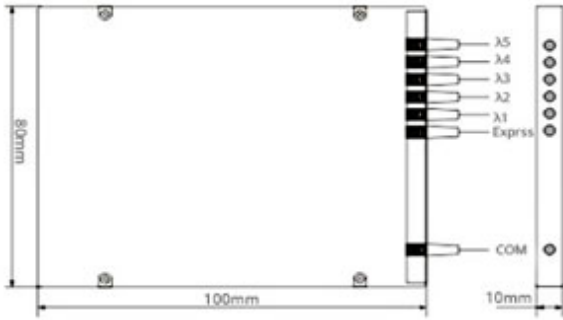
● **Standrd LGX**



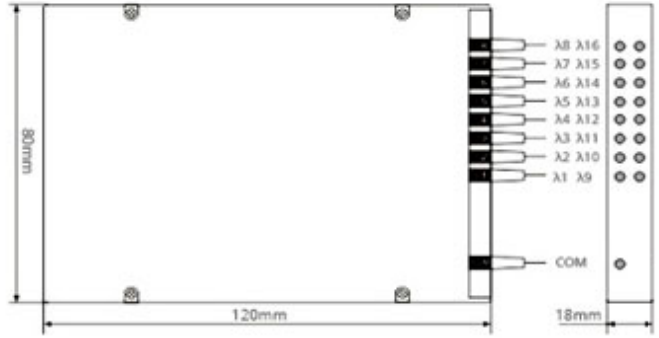
1W LGX 150x129X29mm (standard LGX)

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

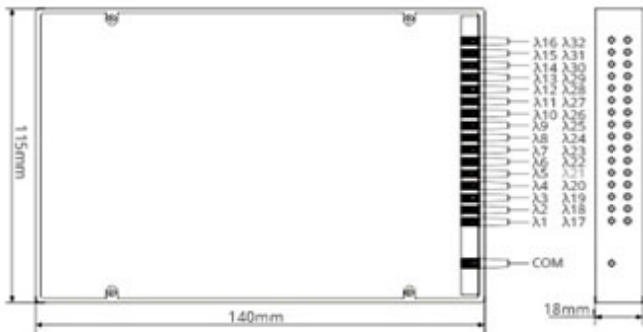
● **ABS Box**



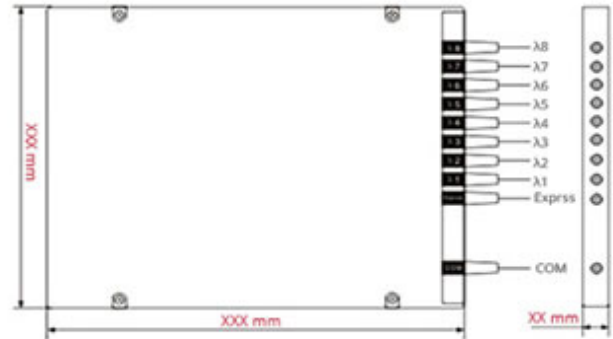
100 X 80 X 10mm



120 X 80 X 18mm



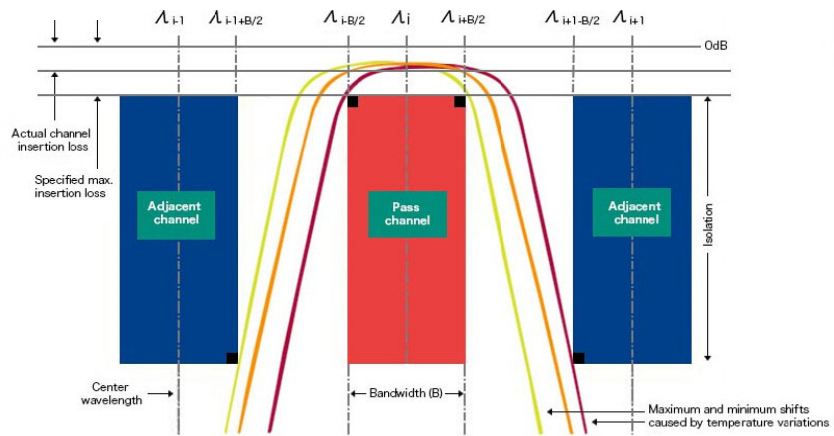
140 X 115 X 18mm



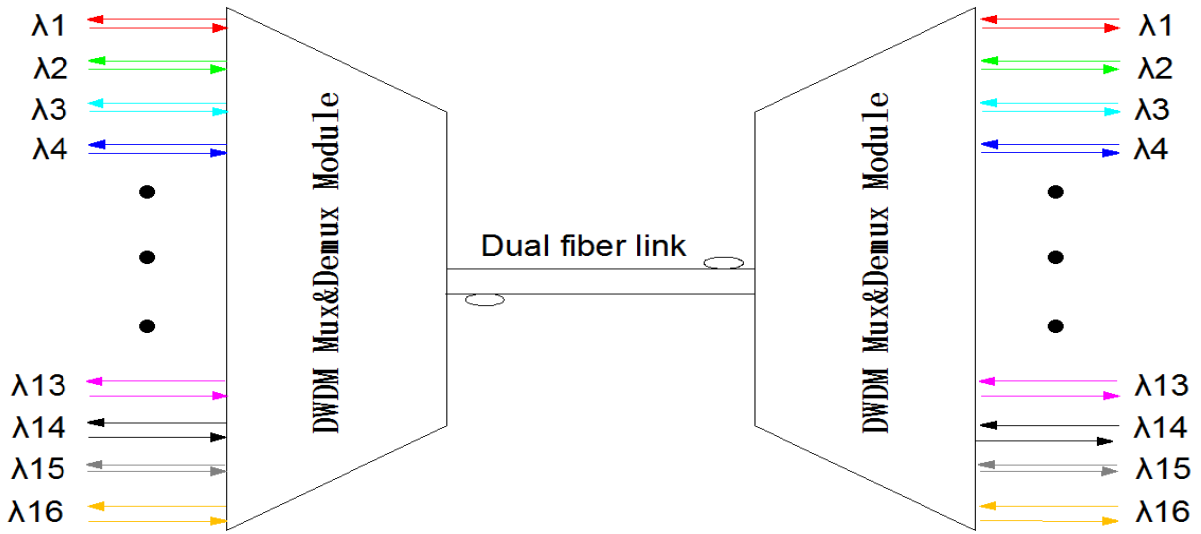
The size could be customized to your requirements

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-11080020PS1-1010-55)

ADM-	X	X	XX	XX(X)	XX	XX	X	-	XX	XX	-	X	X				
														Fiber Length		Connector	
														Input	Output	Input	Output
WDM Type	Module Type	Port Configuration	Special Ports	Initial Wavelength	Package Type	Fiber Jacket											
	1=100GHz	1=Mux+Demux over Dual 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	3=Mux+Demux over single fiber with Circulator inside	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	P5=100*80*10	3=3.0mm Cable	15=1.5m	15=1.5m		3=SC/UPC	3=SC/UPC					
				04=UPG with Skipper		P6=110*80*18	N=NA	NA=N/A	NA=N/A		4=SC/APC	4=SC/APC					
				12=1310nm+Mon.		P1=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											

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