100G DWDM Band Splitter

Auxora's 100GHz DWDM Bandsplitters are based on thin film filter platform, they are used to conveniently split ITU channel spacing of 100GHz into manageable channel bands. These highly reliable components demonstrate low loss, good thermal insensitivity, and reliable performance. Used with MUX/DEMUX and add/drop applications, these bandsplitters can manage multiple ITU channels. Integrated with other available technologies, such as ITU channel filters, FBG and AWG, these bandsplitters offer complete DWDM solutions.

FEATURES

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

APPLICATIONS

- Access networks
- Metro WDM systems
- Fiber optic instruments
- Telecommunications
- Add/Drop channels

SPECIFICATIONS

Items		Unit	Value			
			4 Skip 0	4 Skip 1	8 Skip 0	8 Skip 1
Normal Information	Operating Wavelength	nm	1460-1620			
	Single Channel Passband	nm	±0.11			
Port of Transmission (Port1 => Port2)	Transmission Insertion Loss	dB (Max.)	1.0			
	Channel Isolation	dB (Min.)	18		15	
	Passband Ripple	dB (Max.)	0.5			
	Polarization Dependent Loss	dB (Max.)	0.1			
Port of Reflection (Port1 => Port3)	Reflection Insertion Loss	dB (Max.)	0.4			
	Reflection Channel Isolation	dB (Min.)	12			
	Reflection Band Ripple	dB (Max.)	0.3			
	Polarization Dependent Loss	dB (Max.)	0.1			
Others	Directivity	dB (Min.)	50			
	Return Loss	dB (Min.)	50			
	Polarization Mode Dispersion	Ps (Max.)	0.2			
	Power Handling	mW(Max.)	500			
	Tensile Load	N(Max.)	5			
	Operating Temperature	℃	0~70			
	Storage Temperature	℃	-40~85			
	Package Dimensions	mm	Φ5.5xL34（L40 for 900um loose tube）			
	Fiber type	--	SMF-28e+ or ITU-T G657.A			

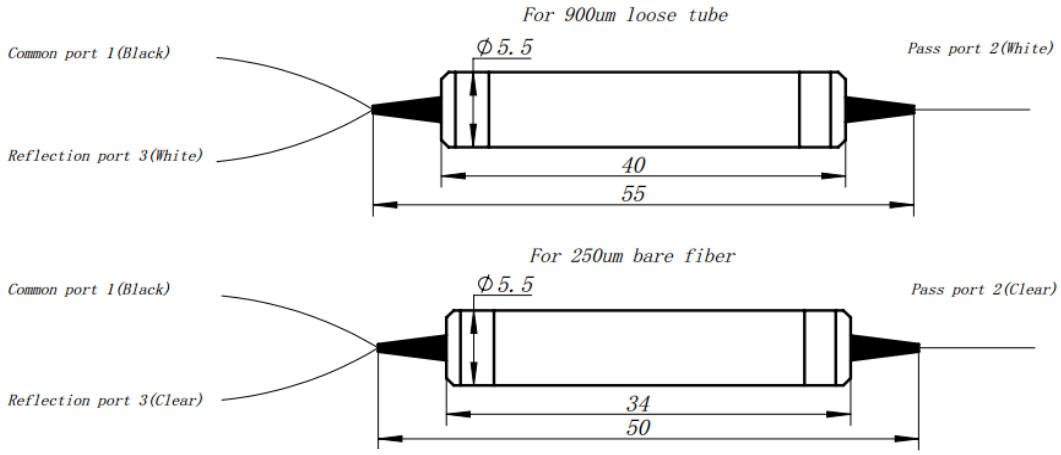
NOTES:

1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.

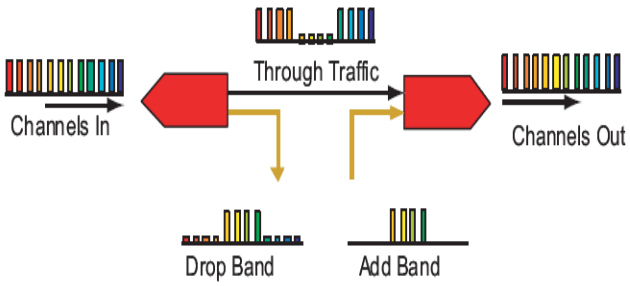
2) PMD and chromatic dispersion values are guaranteed by design.

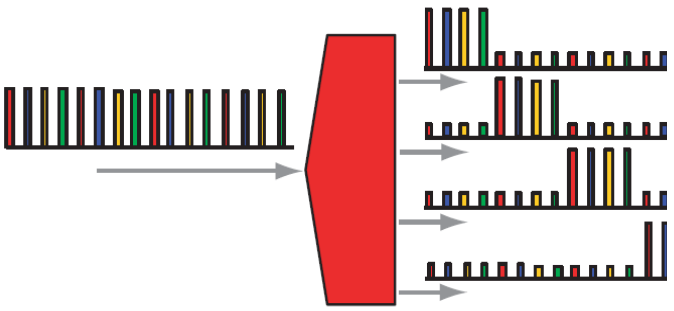
3) IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Packing Dimensions(mm)



Spectrogram(e.g. typical curve)





ADD/DROP Module **MUX/DEMUX Module**

Ordering Information: (e.g.ADD-112202061-101010-555)

ADD-	X	XX	XXX	XX	X	XX	X	-	XX	XX	XX	-	X	X	X
	WDM Type	Port Configuration	Skip Function	Start Channel	Package	Fiber Type	Fiber Jacket		Fiber Length				Connector		
									Common	Pass	Reflect		Common	Pass	Reflect
	1=100G	11=1x1	4S0=4skip0	15=C15	1=5.5x34	06=G657.A1	0=250um Bare fiber		10=1.0m	10=1.0m	10=1.0m		0=None	0=None	0=None
		12=1x2	4S1=4skip1	16=C16	2=5.5x40	07=G657.A2	1=900um loose tube		12=1.2m	12=1.2m	12=1.2m		1=FC/UPC	1=FC/UPC	1=FC/UPC
		XX=Customized	8S0=8skip0	.....	3=4.0x30	XX=Customized	2=2.0mm Cable		.....	.....	.....		2=FC/APC	2=FC/APC	2=FC/APC
			8S1=8skip1	68=C68	4=3.0x25		3=3.0mm Cable		15=1.5m	15=1.5m	15=1.5m		3=SC/UPC	3=SC/UPC	3=SC/UPC
				69=C69	X=Customized		X=Customized		NA=N/A	NA=N/A	NA=N/A		4=SC/APC	4=SC/APC	4=SC/APC
									XX=Customized	XX=Customized	XX=Customized		5=LC/UPC	5=LC/UPC	5=LC/UPC
													6=LC/APC	6=LC/APC	6=LC/APC
													X=Customized	X=Customized	X=Customized