

FWDM Device

Auxora's filter wavelength division multiplexer series are based on thin-film filter (TFF) technology to perform the Multiplexing or De-multiplexing functions in the Telecom/FTTX network. The devices are used to combine/separate light at different wavelengths. We provide filter-based WDM devices that are customized to the particular wavelength bands for your special applications



FEATURES

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

APPLICATIONS

- Local Area Network (LAN)
- Fiber Optic Amplifiers
- Passive Optical Network(PON)
- CATV

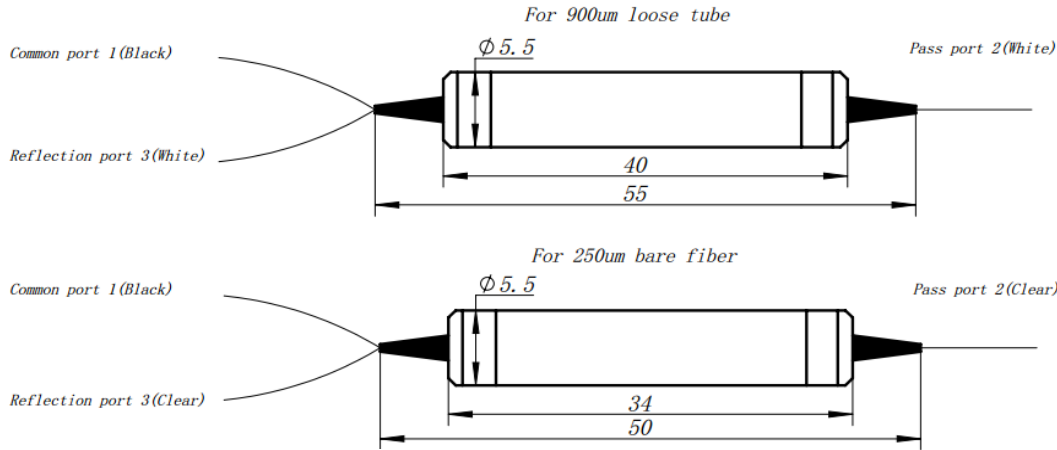
SPECIFICATIONS

Parameters		Unit	T13/R15	T15/R13	T14/R1315	T1314/R15	T15/R1314
Normal Information	Transmission Wavelength	nm	1260~1360	1460~1620	1480~1500	1260~1360& 1480~1500	1540~1560
	Reflection Wavelength	nm	1420~1620	1260~1360	1260~1360& 1540~1560	1540~1560	1260~1360& 1480~1500
Pass Port (Port1 => Port2)	Transmission Insertion Loss	dB (Max.)	0.6				
	Transmission Channel Isolation	dB (Min.)	30				
	Passband Ripple	dB (Max.)	0.3				
	Polarization Dependent Loss	dB (Max.)	0.1				
Reflection Port (Port1 => Port3)	Reflection Insertion Loss	dB (Max.)	0.4				
	Reflection Channel Isolation	dB (Min.)	15				
	Polarization Dependent Loss	dB (Max.)	0.1				
Others	Directivity	dB (Min.)	50				
	Return Loss	dB (Min.)	50				
	Polarization Mode Dispersion	Ps (Max.)	0.1				
	Power Handling	mW(Max.)	500				
	Tensile Load	N(Max.)	5				
	Operating Temperature	°C	0~70				
	Storage Temperature	°C	-40~85				
	Package Dimensions	mm	Φ5.5xL34 (L40 for 900um loose tube)				
Fiber type	--	SMF-28e or ITU-T G657.A					

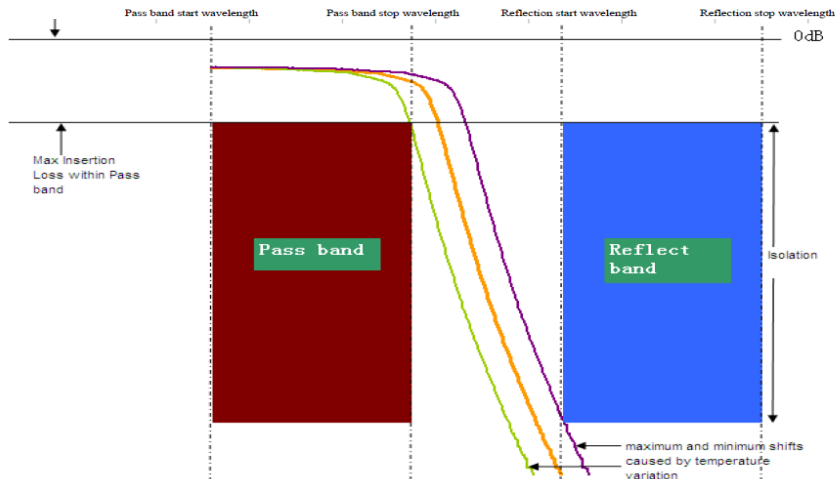
NOTES:

- 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)



Ordering Information: (e.g.AFD-12F12061-101010-555)

AFD-	XX	XX	X	XX	X	-	XX	XX	XX	-	X	X	X
	Port Configuration	Wavelength	Package	Fiber Type	Fiber Jacket		Fiber Length				Connector		
							Common	Pass	Reflect		Common	Pass	Reflect
	11=1x1	F1=T1310/R1550	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	F2=T1550/R1310	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	F3=T1490/R1310&1550	3=4.0x30	XX=Customized	2=2.0mm Cable			2=FC/APC	2=FC/APC	2=FC/APC
		F4=T1310&1490/R1550	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
		F5=T1550/R1310&1490	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