

C-Band/L-Band Red/Blue FWDM

Auxora's C-Band/L-Band Red/Blue FWDM is a micro-optics device based on TFF with advanced packaging technology to achieve good performance. The devices can be used to combine/separate Red-band wavelength signals and Blue-band wavelength signals in C-band or L-band for DWDM systems. The components are characterized with wide passband, low IL, excellent environmental stability.



FEATURES

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

APPLICATIONS

- Red/Blue band splitter
- DWDM system
- Erbium-doped Fiber amplifier

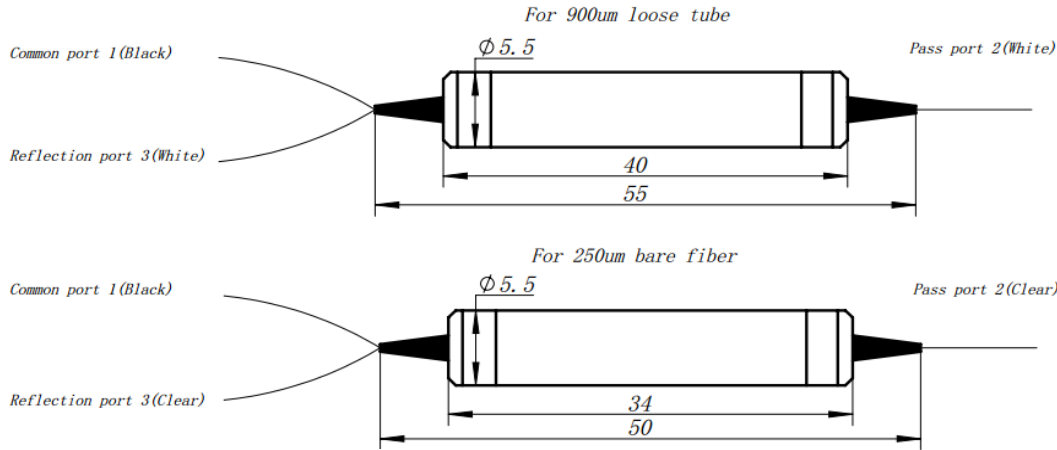
SPECIFICATIONS

Parameters		Unit	C-BAND		L-BAND	
			C37/C42	C42/C37	T1577/R1596	T1596/R1577
Normal Information	Transmission Wavelength	nm	1529.44~1543.84	1547.60~1561.53	1570-1584	1589-1603
	Reflection Wavelength	nm	1547.60~1561.53	1529.44~1543.84	1589-1603	1570-1584
Pass Port (Port1 => Port2)	Transmission Insertion Loss	dB (Max.)	0.6			
	Transmission Isolation	dB (Min.)	20			
	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 Isolation	dB (Min.)	12			
	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				

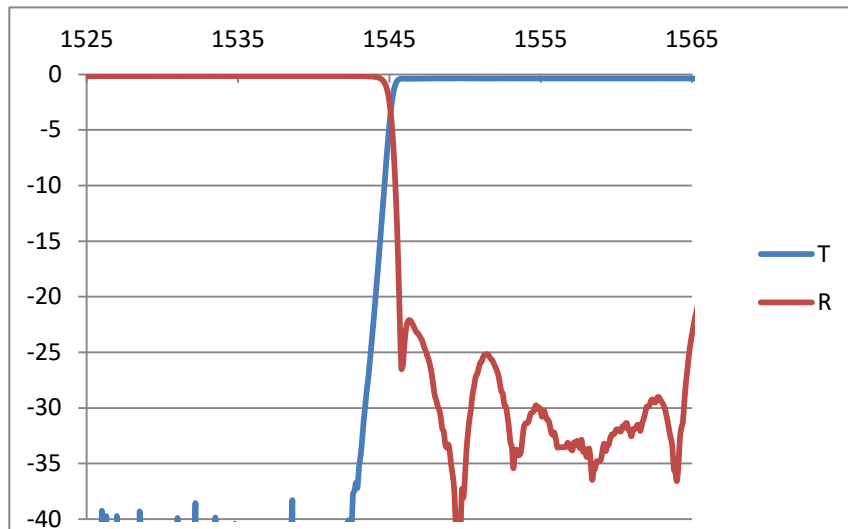
NOTES:

- 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-12F62061-101010-555)

AFD-	XX	XX	X	XX	X	-	Fiber Length			-	Connector		
							Common	Pass	Reflect		Common	Pass	Reflect
	11=1x1	F6=C37/C42	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	F7=C42/C37	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	F8= T1577/R1596	3=4.0x30	XX=Customized	2=2.0mm Cable			2=FC/APC	2=FC/APC	2=FC/APC
		F9= T1596/R1577	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
			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