

100G DWDM Device

Auxora's Dense Wavelength Division Multiplexer (DWDM) is based on TFF (thin film filter) platform, it features ultra-low insertion loss, high isolation, super thermal stability and excellent reliability. The device is Telcordia GR-1221/1209-CORE compliant, thus enabling it to be used for wavelength add/drop in telecommunication network systems. Auxora can provide customized designs to meet specialized feature applications.



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

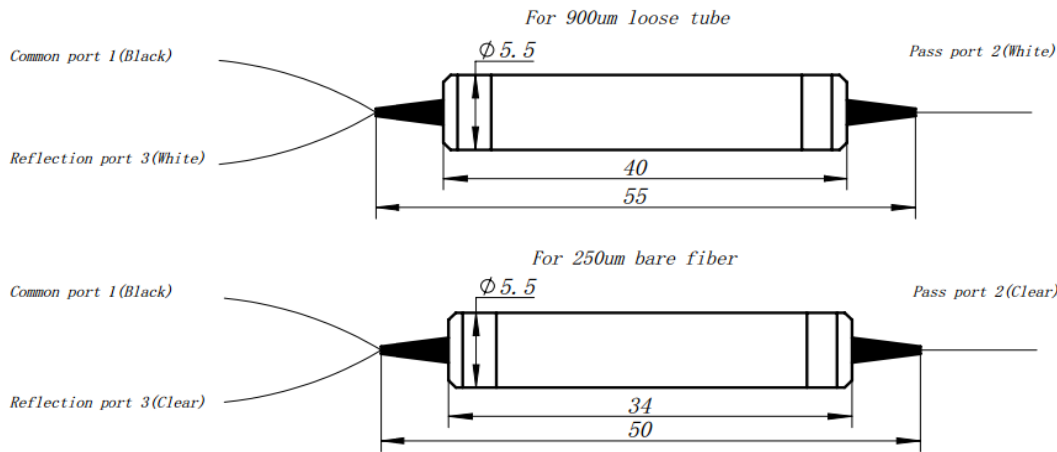
SPECIFICATIONS

Items		Unit	Parameters
Normal Information	Operating Wavelength	nm	1520-1580
	Channel Spacing	GHz	100GHz ITU grid
	Channel Passband	nm	ITU \pm 0.125
Port of Transmission (Port1 => Port2)	Transmission Insertion Loss	dB (Max.)	0.8
	Adjacent Channel Isolation	dB (Min.)	30
	Non-Adjacent Channel Isolation	dB (Min.)	45
	Passband Ripple	dB (Max.)	0.5
	Polarization Dependent Loss	dB (Max.)	0.15
Port of Reflection (Port1 => Port3)	Reflection Insertion Loss	dB (Max.)	0.4
	Reflection Channel Isolation	dB (Min.)	13
	Reflection Band Ripple	dB (Max.)	0.3
	Polarization Dependent Loss	dB (Max.)	0.15
Others	Directivity	dB (Min.)	46
	Return Loss	dB (Min.)	50
	Polarization Mode Dispersion	Ps (Max.)	0.2
	Power Handling	mW(Max.)	500
	Tensile Load	N(Max.)	5
	Operating Temperature	$^{\circ}$ C	-40~85
	Storage Temperature	$^{\circ}$ C	-40~85
	Package Dimensions	mm	Φ 5.5xL34 (L40 for 900um loose tube)
Fiber type	--	SMF-28e+ or ITU-T G657.A	

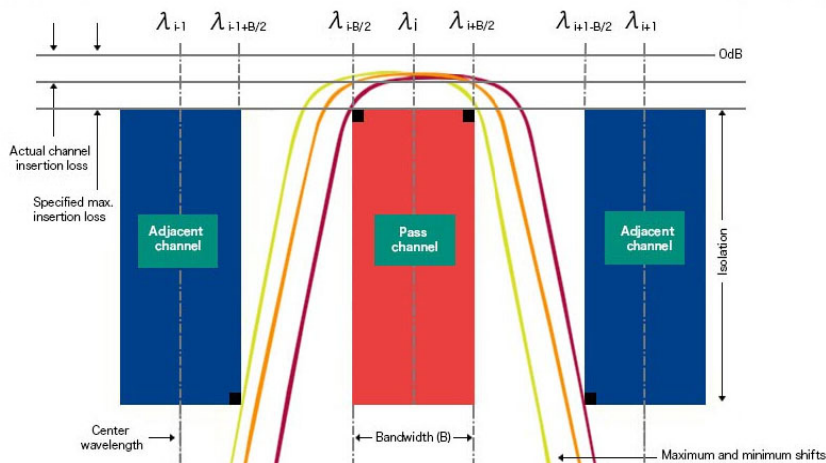
NOTES:

- 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 Di Common port 1 (Black)



Spectrogram(e.g. typical curve)



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

ADD-	X	XX	XX	X	XX	X	-	XX	XX	XX	-	X	X	X
WDM Type	Port Configuration	Center Wavelength	Package	Fiber Type	Fiber Jacket	Fiber Length			Connector					
						Common	Pass	Reflect	Common	Pass	Reflect			
1=100G	11=1x1	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	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	.....	3=4.0x30	XX=Customized	2=2.0mm Cable	.....	.....	.....	2=FC/APC	2=FC/APC	2=FC/APC			
		68=C68	X=Customized		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	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			