

CWDM Band Splitter

Auxora's CWDM band splitters are based on thin film filter platform, they are used to conveniently split ITU channel spacing of 20nm into manageable channel bands. These highly reliable components demonstrate low loss, good thermal insensitivity, and reliable performance. They are designed to meet the requirements of Telcordia GR-1221-CORE. Used with MUX/DEMUX and add/drop applications, these band splitters can manage multiple ITU channels.



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

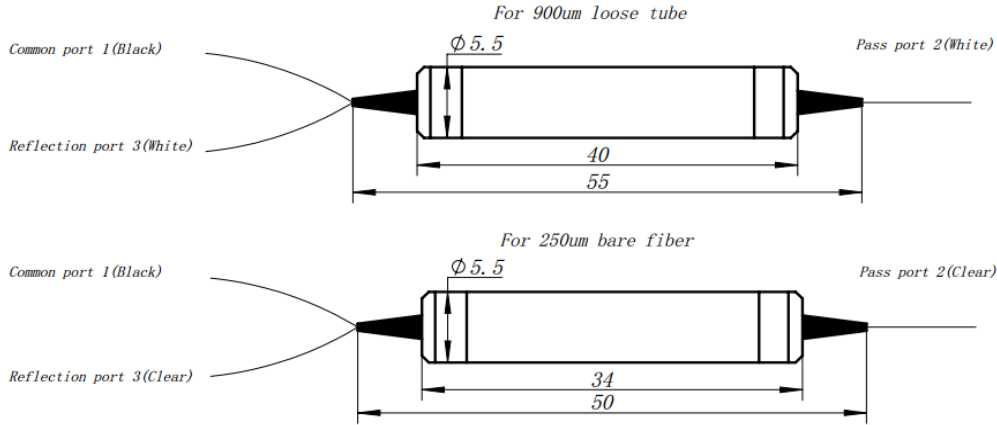
SPECIFICATIONS

Items		Unit	Value					
			2 Skip 0	2Skip 1	4Skip 0	4Skip1	8Skip0	8Skip1	10Skip0
Normal Information	Operating Wavelength	nm	1260-1260					
	Single Channel Passband	nm	$\lambda_c \pm 6.5$					
Port of Transmission (Port1 => Port2)	Transmission Insertion Loss	dB	≤ 0.6					
	Channel Isolation	dB	≥ 20					
	Passband Ripple	dB	≤ 0.3					
	Polarization Dependent Loss	dB	≤ 0.1					
Port of Reflection (Port1 => Port3)	Reflection Insertion Loss	dB	≤ 0.4					
	Reflection Channel Isolation	dB	≥ 12					
	Reflection Band Ripple	dB	≤ 0.3					
	Polarization Dependent Loss	dB	≤ 0.1					
Others	Directivity	dB	≥ 50					
	Return Loss	dB	≥ 50					
	Polarization Mode Dispersion	ps	≤ 0.2					
	Power Handling	mW	≤ 500					
	Tensile Load	N	≤ 5					
	Operating Temperature	°C	0~70					
	Storage Temperature	°C	-40~85					
	Package Dimensions	mm	$\Phi 5.5 \times L34$ (L40 for 900um loose tube)					
Fiber type	--	SMF-28e+ or ITU-T G657.A						

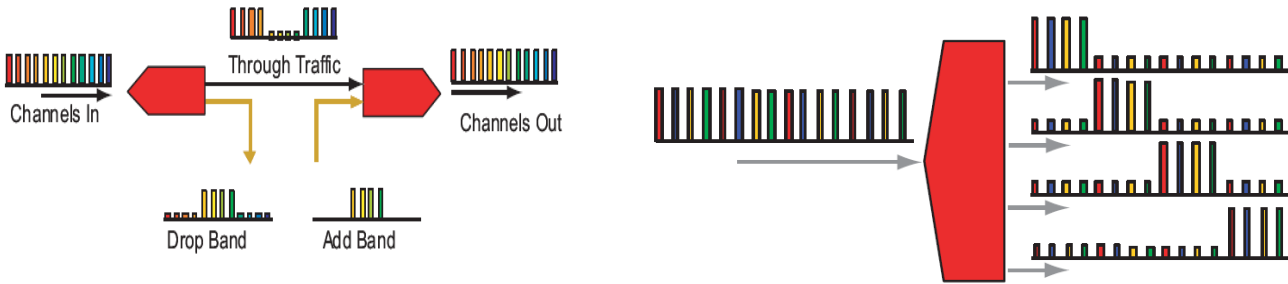
NOTES:

- 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.ACD-1128S0472061-101010-555)

ACD-	X	XX	XXX	XX	X	XX	X	Fiber Length			Connector		
								Common	Pass	Reflect	Common	Pass	Reflect
	0=0 Serial	11=1x1	2S0=2skip0	27=1270/1271	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
	1=1 Serial	12=1x2	2S1=sskip1	29=1290/1291	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
		24=2x4	4S0=4skip0	.....	3=4.0x30	XX=Customized	2=2.0mm Cable	.....	.....	.....	2=FC/APC	2=FC/APC	2=FC/APC
		XX=Customized	4S1=4skip1	59=1590/1591	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
			8S0=8skip0	61=1610/1611	X=Customized		X=Customized	NA=N/A	NA=N/A	NA=N/A	4=SC/APC	4=SC/APC	4=SC/APC
			8S1=8skip1					XX=Customized	XX=Customized	XX=Customized	5=LC/UPC	5=LC/UPC	5=LC/UPC
			A0=10skip 0								6=LC/APC	6=LC/APC	6=LC/APC
											X=Customized	X=Customized	X=Customized