

Dual Window Single Mode Coupler

Auxora 1x2/2x2 single mode couplers offer low insertion loss, low PDL and excellent environmental stability, these couplers feature good channel uniformity and accurate coupling ratio from 50/50 to 1/99 with 250um bare fiber,900um loose tube and 2.0mm/3.0mm jacket available.

Dual window couplers can be used for power splitting and monitoring with operating wavelength of 1310/1550nm.



FEATURES

- Low excess loss
- Good channel uniformity
- High stable & reliable
- Epoxy free optical path
- Telcordia GR-1221 and GR1209 compliant

APPLICATIONS

- Fiber optic amplifier
- Long-haul telecommunications
- CATV systems & fiber optic sensors
- FTTH & LAN

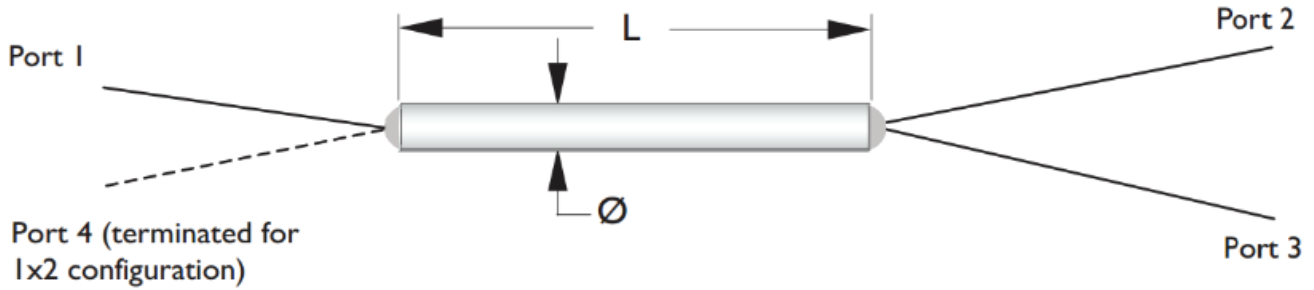
SPECIFICATIONS

Parameters		Unit	Value	
			P Grade	A Grade
Operating Wavelength Range		nm	1310±40 & 1550±40	
Typical Excess Loss		dB	≤ 0.07	≤ 0.10
Insertion Loss	50/50	dB	≤ 3.6	≤ 3.8
	40/60		≤ 4.7/2.7	≤ 4.9/2.9
	30/70		≤ 6.0/1.9	≤ 6.3/2.1
	20/80		≤ 7.9/1.3	≤ 8.4/1.4
	10/90		9.2~11.2/≤ 0.75	8.8~11.4/≤ 0.8
	5/95		12.05~14.15/≤ 0.4	11.60~14.60/≤ 0.5
	2/98		15.75~18.45/≤ 0.3	15.15~19.00/≤ 0.4
	1/99		18.60~21.60/≤ 0.25	17.95~22.25/≤ 0.35
Polarization Dependent Loss		dB	≤ 0.15	≤ 0.20
Directivity		dB	≥ 55	
Maximum Power Handling		mW	500	
Operating Temperature		°C	-40 ~ 85	
Storage Temperature		°C	-40 ~ 85	
Package Size		mm	Φ3.0xL45 (250um bare fiber) Φ3.0xL54 (900um loose tube) 90x20x10 (900um loose tube or 2mm/3mm Cable)	
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) IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Packing Dimensions(mm)



Ordering Information: (e.g.AFC-S102A50535060-1010-00)

AFC-	X	XXX	X	XX	X	XX	XX	X	-	XX	XX	-	X	X
Coupler Type	Port Configuration	Grade	Coupling Ratio	Package	Wavelength	Fiber Type	Fiber Jacket	Fiber Length		Connector				
								Input	Output	Input	Output			
S=Single Mode	102=1x2	P=P Grade	50=50/50	5=3.0x45	35=1310&1550	06=G657.A1	0=250um Bare fiber	10=1.0m	10=1.0m	0=None	0=None			
	202=2x2	A=A Grade	45=45/55	6=3.0x54		07=G657.A2	1=900um tube	12=1.2m	12=1.2m	1=FC/UPC	1=FC/UPC			
			A=90x20x10		XX=Customized	2=2.0mm Cable	2=FC/APC	2=FC/APC			
			02=2/98	X=Customized			3=3.0mm Cable	15=1.5m	15=1.5m	3=SC/UPC	3=SC/UPC			
			01=1/99				X=Customized	NA=N/A	NA=N/A	4=SC/APC	4=SC/APC			
								XX=Customized	XX=Customized	5=LC/UPC	5=LC/UPC			
										6=LC/APC	6=LC/APC			
										X=Customized	X=Customized			