

Single Fiber Collimator

Auxora's Single Fiber Collimator demonstrates low loss and reliable performance. Single-Mode Fiber Collimator is the basic component of micro-optical products .

FEATURES

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

APPLICATIONS

- Fiber Optics Components
- Fiber Optic Collimation and Focusing
- Fiber optic Lab Use

SPECIFICATIONS

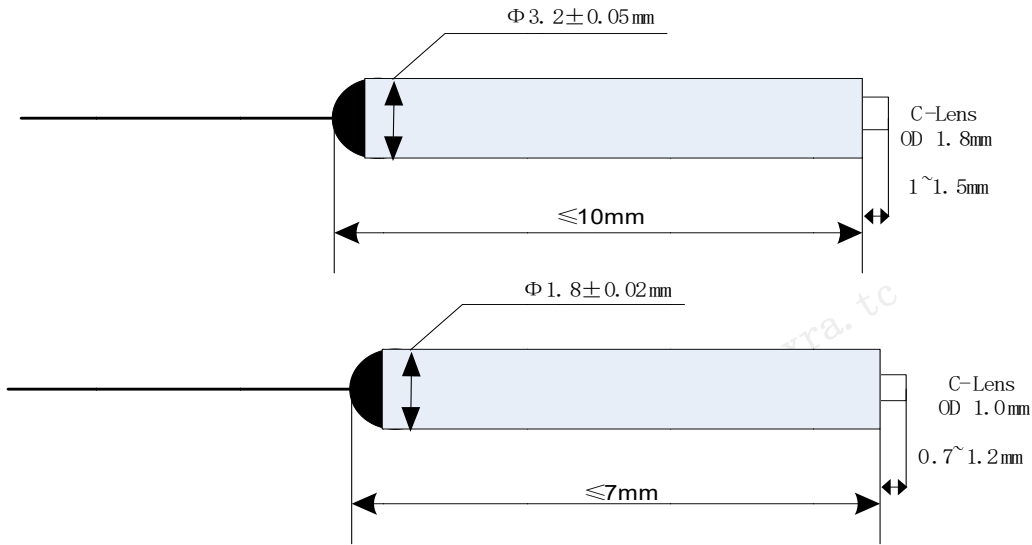
Items	Unit	Parameters		
Center Wavelength	nm	1310 ,1550,or specified		
Operating Wavelength Range	nm	±50 or customized		
Working Distance	mm	5~50	51~100	101~200
Typ. Insertion Loss	dB	0.25	0.25	0.3
Max. Insertion Loss	dB	0.3	0.35	0.4
Beam Diameter (1/e ²)	mm	0.45±0.05	0.45±0.05	0.75±0.05
Min Return Loss	dB	55		
Power Handling	mw	500,1000,1500,....3000		
Operating Temperature	°C	-40~85		
Storage Temperature	°C	-40~85		
Package Dimensions	mm	Φ3.20*L10 (metal housing, Φ1.8mm lens) Φ2.78*L9 (glass housing, Φ1.8mm lens) Φ1.80*L7 (metal housing, Φ1.0mm lens) Φ1.40*L7 (glass housing, Φ1.0mm lens)		
Fiber type	---	SMF-28 Ultra		

NOTES:

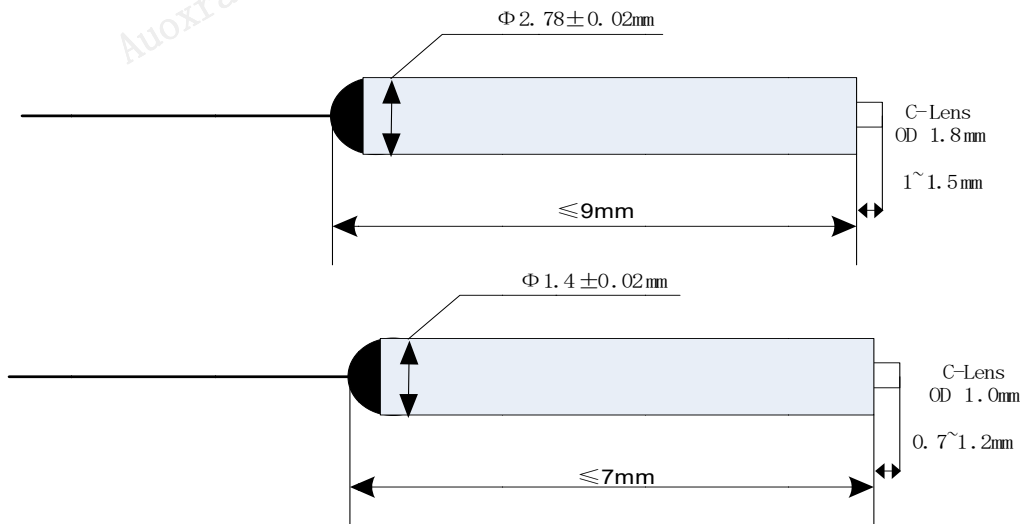
- 1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
- 2) IL is 0.3 dB higher, RL is 5 dB lower for each connector added

Packing Dimensions(mm)

Metal Holder



Glass Tube



Ordering Information: (e.g.ACL-1310022-11-0)

ACL-	X	XX	XXX	X-	X	X	XXX	X
	Number of fiber	Wavelength Range	Working Distance	Package	Fiber Type	Pigtail Type	Fiber Length	Connector Type
	1=Single fiber	31=1310nm	001=1mm	1= $\Phi 3.20 \times L10$	1=SMF-28 Ultra	1=Bare fiber	005=0.5m	0=None
		48=1480nm	002=2mm	2= $\Phi 2.78 \times L9$	2=LBL	2=0.9mm tube	010=1.0m	1=FC/UPC
		35=1311/1550nm	100=100mm	3= $\Phi 1.80 \times L7$	3=ZBL		100=10.0m	2=FC/APC
		XX= Customized		4= $\Phi 1.40 \times L7$	X=Customized		XXX=Customized	3=SC/UPC
								4=SC/APC
								5=LC/UPC
								6=LC/APC
								XX=Customized