



# Single & Dual Fiber Collimator (Mini & Standard)



## Features

- Low Insertion Loss
- Low Back Reflection
- High Environmental Stability

## Applications

- Fiberoptic Lab Use
- Laser Beam Collimating
- Fiber to Fiber Coupling

## Performance Specifications

Type		Single Fiber		Dual Fiber	
Grade		Premium	A Grade	Premium	A Grade
Wavelength (nm)		1310±30nm 1550±30nm or 1310/1550±30nm, 980/1550±30nm or custom wavelength			
Insertion Loss (Typ.) (dB)*		0.17	0.20	0.20	0.30
Insertion Loss (Max.) (dB)**		0.20	0.25	0.28	0.40
Return Loss (Typ.) (dB)***		65	60	65	60
Beam diameter (mm)		<0.45 (1.8mm lens) / <0.35 (1.0mm lens)			
Operating Temperature(°C)		-20 ~ +75			
Storage Temperature(°C)		-40 ~ +85			
Dimensions (mm)	1.8mm(OD) Lens (Standard)	2.4x10 SS tube (gold plated optional), 3.2x10 or 4.0x10 gold plated SS tube or 2.78x10 glass tube or custom size			
	1.0mm(OD) Lens (Mini-size)	1.4x6 gold plated SS tube, 2.8x10 SS tube (gold plated optional), 2.0x7, 1.2x7 glass tube or custom size			
Fiber Type		250um bare fiber or 900um tight buffer			

\*At 10mm working distance and single wavelength (dual wavelength IL will increase by 0.1dB).

\*\*At <1mm Reflection Working Distance(RWD), singlemode and single wavelength.

\*\*\* For single mode collimator only

## Ordering Information

Type	Collimator	Wavelength	Grade	Working Dist.	Pigtail Style	Fiber Length	Package	Fiber Type	Connector
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CL=Collimator	13=1310nm 14=1480nm 15=1550nm 35=1310/1550nm 85=850nm 95=980/1550nm 98=980nm	↓ P=Premium A=A Grade	001=1mm RWD 006=6mm RWD ..... 070=70mm RWD 300=300mm RWD	↓ B=250um Bare Fiber L=900um Jacket	A=1.0m B=1.5m C=2.0m S=Customer Length	↓ 1.8mm(OD) Lens: A=4.0x10mm SS Tube B=3.2x10mm SS tube C=2.4x10mm SS tube D=2.78x10mm glass tube  1.0mm(OD) Lens: E=2.8x10mm SS tube F=2.0x7mm Glass tube G=1.4x6mm SS tube H=1.2x7mm Glass tube	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC	
1=Single fiber 2=Dual fiber									