



Single and Dual Fiber Collimator

Features <ul style="list-style-type: none"> ● Low Insertion Loss ● Low Back Reflection ● High Environmental Stability 	Applications <ul style="list-style-type: none"> ● Fiberoptic Lab Use ● Laser Beam Collimating ● Fiber to Fiber Coupling
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Performance Specifications:

Parameter	Spec			
	Single Fiber		Dual Fiber	
Grade	P Grade	A Grade	P Grade	A Grade
Wavelength	1310±30nm,1550±30nm or1310/1550±30nm,980/1550±30nm or Custom Wavelength			
Insertion Loss(Typ.)*	0.17dB	0.20dB	0.20dB	0.30dB
Insertion Loss(Max.)**	0.20dB	0.25dB	0.28dB	0.40dB
Return Loss(Typ.)***	≥65dB	≥60dB	≥65dB	≥60dB
Beam Diameter	≤0.45(1.8mm Lens)/ ≤0.35(1.0mm Lens)			
Operating Temperature	-20 to +75°C			
Storage Temperature	-40 to +85°C			
Fiber Type	250um Bare fiber or 900um Tight buffer			
Package Dimensions [1.8mm(OD) Lens(Standard)]	2.4x10mm SS tube(Gold plated optional) 3.2x10mm or 4.0x10mm Gold plated SS tube or 2.78x10mm Glass tube or Custom Size			
Package Dimensions [1.0mm(OD) Lens(Mini-size)]	1.4x6mm Gold plated SS tube 2.8x10mm SS tube(Gold plated optional) 2.0x7mm,1.2x7mm Glass tube or Custom Size			

Note:

*At 10mm working distance and single wavelength.(Dual wavelength IL will increase by 0.1 Db)..

**At <1mm reflection working distance(RWD) and single wavelength.

***For single mode collimator only.



Ordering Information:

S-	Collimator	Operating Wavelength	Grade	Working Dist.	Pigtail Style	Fiber Length	Package	Fiber Type	In/Out Connector
	□□□	□□	□	□□□	□	□	□	□	□□
	1CL=Single fiber collimator 2CL=Dual fiber collimator	↓	P=Grade P A=Grade A	005=5mmWD 006=6mmWD 070=70mmWD	↓	A=1.0m B=1.5m C=2.0m S=Custom Length	↓	0=SMF-28 1=Corning Flexcore 2=50/125 3=62.5/125 4=100/140	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC
		13=1310nm 14=1480nm 15=1550nm 35=1310/1550nm 85=850nm 95=980/1550nm 98=980nm			1=Bare Fiber 2=900um tube		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		

For Example: S-1CL-13-P-005-1-B-A-0-00