

Optical Fiber Collimator

Features:

- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity

Applications:

- Optical Fiber Isolator .WDM
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems



Specifications: (Single fiber Collimator)

Parameters	Unit	P Grade	
		850/1310	1310/1550
Center Wavelength (λ_c)	nm	850/1310	1310/1550
Typ. Insertion Loss (λ_c at 23 °C) at 5mm	dB	≤0.15	≤0.2
Max Insertion Loss (λ_c at 23 °C) at 5mm	dB	≤0.25	
Return Loss (at 23 °C)	dB	≥60	
Lens Type	--	C-Lens	
Working Distance(mm)(at 23 °C)	mm	5 or specify	
Beam diameter	mm	0.35	
Power Handling	mW	500	
Fiber Type	--	SM OR MM	
Fiber length	M	2.0	
Bandwidth (nm)	--	±30	
Operating Temperature	°C	-20 to +70	
Storage Temperature	°C	-40 to +85	
Package Dimensions	mm	3.20x10mm or 1.6x10mm gold plated SS tube 3.2*8 or 2.78x8mm glass tube or custom size	

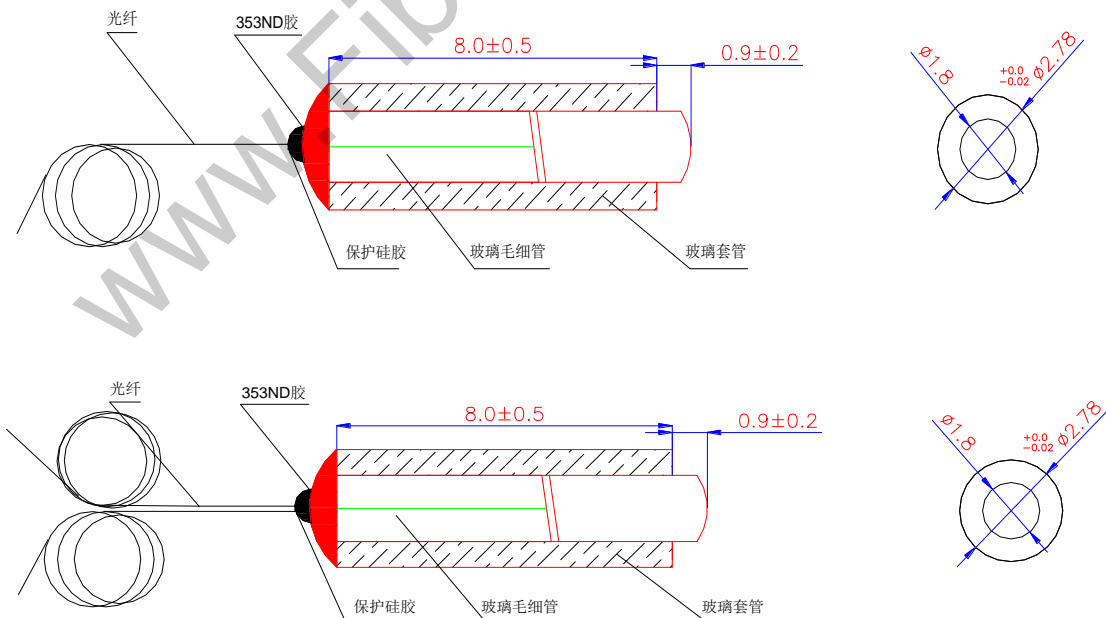
Notes: IL is 0.15dB higher and RL is 5dB lower for each connector added.

Specifications: (Dual fiber Collimator)

Parameters	Unit	P Grade	
Center Wavelength (λ_c)	nm	850/1310	1310/1550
Typ. Insertion Loss (λ_c at 23 °C) at 5mm	dB	≤ 0.20	≤ 0.22
Max Insertion Loss (λ_c at 23 °C) at 50mm	dB	≤ 0.25	
Return Loss (at 23 °C)	dB	≥ 60	
Lens Type	--	C-Lens	
Beam diameter	mm	0.35	
Power Handling	mW	500	
Fiber Type	--	SM OR MM	
Fiber length	M	2.0	
Bandwidth (nm)	--	± 30	
Operating Temperature	°C	-20 to +70	
Storage Temperature	°C	-40 to +85	
Package Dimensions	MM	3.20x10mm or 1.6x10mm gold plated SS tube 3.2*8 or 2.78x8mm, 1.4X8mm glass tube or custom size	

Notes: IL is 0.15dB higher and RL is 5dB lower for each connector added.

Shape and Dimensions:



Ordering Information:

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Isolator Type	Port	Wavelength	Grade	Pigtail Jacket	Fiber Length	Connector
1=SMF G652D	1=Single fiber	1550=1550nm	P=P Grade	1=250um	1=0.5m	0=None
2= SMF G657a1	2=Dual fiber	1310=1310nm	A=A Grade	bare fiber	2=.1m	1=FC/APC
3= SMF G657a2	X=Specify	XXXX=Specify		2=900um	3=1.5m	2=FC/PC
4=MMF 62.5/125				loose tube	X =Customer	3=SC/APC
5=MMF50/125				X=Specify	Length	4=SC/PC
6=MMF105/125						5=LC/PC
X=Specify						X=Specify

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