



## Polarization Maintaining Single Fiber Collimator (PMC Series)

Rev 11

### Description

The 1064 nm PM Fiber Collimator is a basic element for in-line PM fiber optics components, such as PM isolator and PM FWDM. It has high extinction ratio, low insertion loss and high return loss. The unique processing and high quality AR coating also enable this PM fiber collimator to handle high laser power.

### Key Features

- High Extinction Ratio
- Low Insertion Loss

### Applications

- Beam Delivery
- Fiber Coupling

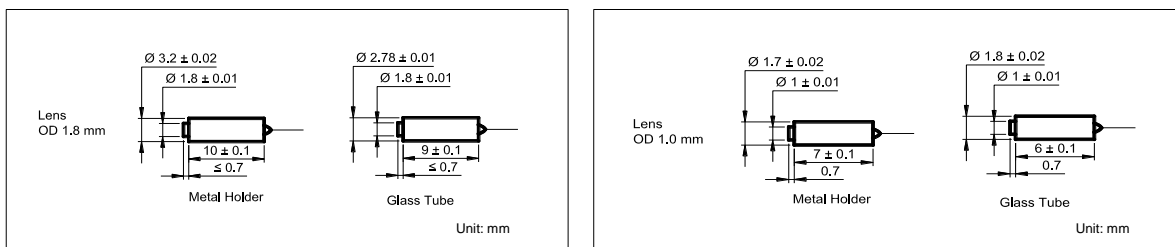
### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1064
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Working Distance	mm	5 or specify
Typ. Insertion Loss	dB	0.25
Max. Insertion Loss	dB	0.30
Typ. Extinction Ratio	dB	25
Min. Extinction Ratio	dB	23
Min. Return Loss	dB	55
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type	-	PM 980 Panda Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

<sup>1</sup>IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

<sup>2</sup>All of above value are tested at room temperature, unless other specified.

### Package Dimensions



### Ordering Information

PMC-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩

①: Lens Diameter	②: Pigtail Type	③③: Wavelength	④: Holder Type
1 - 1.8 mm	1 - Single Fiber Pigtail	06 - 1064 nm	1 - Metal Holder
2 - 1.0 mm			2 - Glass Tube
⑤: Working Distance	⑥: Connector Type	⑦: Fiber Jacket	
5 - 5 mm	1 - FC/UPC    4 - SC/APC	B - 250 $\mu$ m Bare Fiber	S - Specify
S - Specify	2 - FC/APC    N - None	L - 900 $\mu$ m Loose Tube	
	3 - SC/UPC    S - Specify		

⑧: Slow Axis Orientation  
O - For Single Fiber Collimator

⑨: Fiber Length  
F - 1.5 m  
S - Specify

⑩: Lens Type  
G - Grin Lens  
C - C Lens