



## Polarization Maintaining Fiber Collimator (PMC Series)

Rev 10

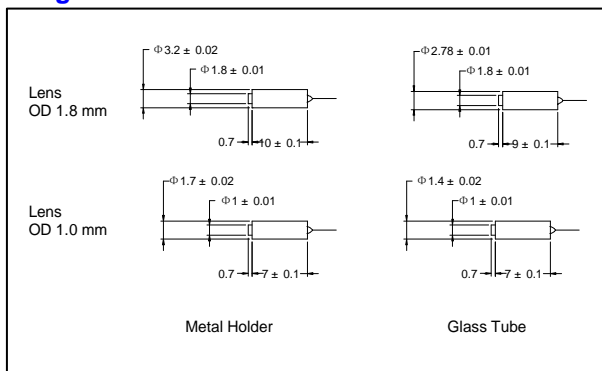
The PM Fiber Collimator is the basic element for in-line PM fiber optic components, such as PM isolator and PM FWDM. It has high extinction ratio, low insertion loss and high return loss. The unique processing and high quality AR coating also enable this collimator to handle high power.

### Specifications

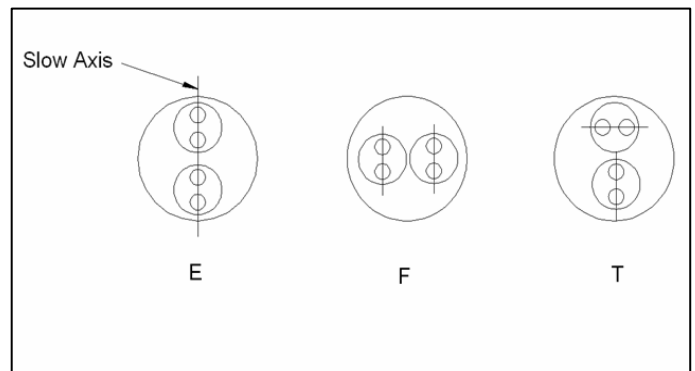
Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1310, 1550 or specify
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Working Distance	mm	5 or specify
Typ. Insertion Loss	dB	0.20
Max. Insertion Loss	dB	0.25
Typ. Extinction Ratio	dB	25
Min. Extinction Ratio	dB	23
Min. Return Loss	dB	60
Max. Tensile Load	N	5
Fiber Type		PM Panda fiber or specify
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

### Package Dimensions



### Slow Axis Orientation



### Ordering Information

PMC-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩

①: Lens Diameter	②: Pigtail Type	③③: Wavelength	④: Holder Type	⑤: Working Distance
1 - 1.8 mm	1 - Single fiber pigtail	31 - 1310 nm	1 - Metal holder	1 - 5 mm
2 - 1.0 mm	2 - Dual fiber pigtail	55 - 1550 nm	2 - Glass tube	S - Specify
S - Specify	S - Specify	SS - Specify		
⑥: Connector Type	⑦: Fiber Jacket	⑧: Slow Axis Orientation	⑨: Fiber Length	
1 - FC/UPC	B - 250 $\mu$ m bare fiber	O - For single fiber collimator	C - 1.5 m	
2 - FC/APC	D - 400 $\mu$ m bare fiber	E, F, T - For dual fiber collimator	S - Specify	
3 - SC/UPC	L - 900 $\mu$ m loose tube	S - Specify		
4 - SC/APC	S - Specify			
N - None			⑩: Lens Type	
			G - Grin lens	
			C - C lens	