Advanced Fiber Resources (HK), Ltd.

Polarization Maintaining Dual Fiber Collimator (PMC Series)

Description

Rev 11B

The Polarization Maintaining Dual Fiber Collimator is the 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 collimator to handle high power.

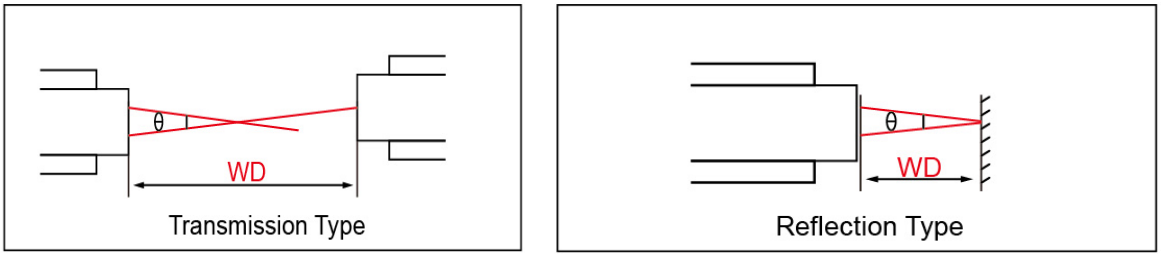
Specifications

Parameter	Unit	Value			
Center Wavelength (λ c)	nm	1310, 1550 or specified			
Operating Wavelength Range	nm	λc ± 30			
Working Type	-	Transmission Type			Reflection Type
Working Distance	mm	5 - 10	11 - 30	31 - 50	0 mm for G Lens, 2.4 mm for C Lens
Typ. Insertion Loss @ 23 ℃	dB	0.20	0.25	0.30	0.20
Max. Insertion Loss @ 23 ℃	dB	0.25	0.35	0.40	0.25
Min. Extinction Ratio @ 23 ℃	dB	20			
Min. Return Loss @ 23 ℃	dB	55			
Max. Optical Power	W	0.3, 0.5….3			
Max. Tensile Load	N	5			
Fiber Type	-	PM Panda Fiber or specified			
Operating Temperature	℃	- 5 to + 70			
Storage Temperature	℃	- 40 to + 85			

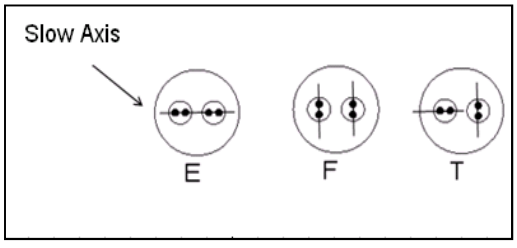
[1]IL is 0.3 dB higher,RL is 5 dB lower, and ER is 2 dB lower for each connector added.Connector key is aligned to slow axis.

[2]Optical Power will be 1W only for connector added.

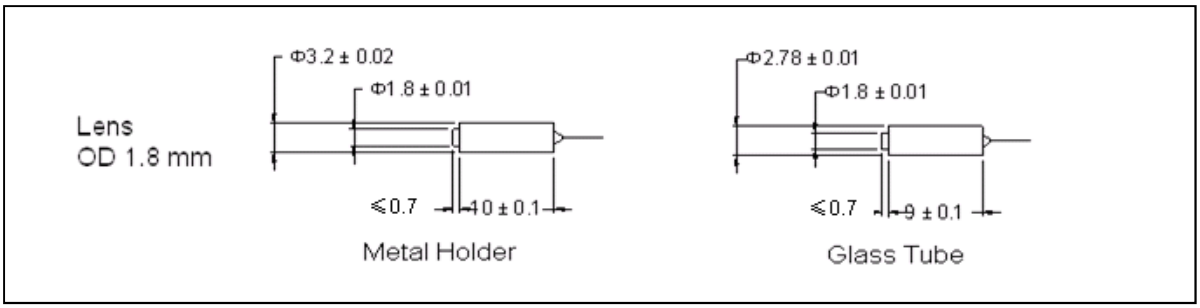
Working Type



Slow Axis Orientation



Package Dimensions



Ordering Information

PMC-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩-⑪-⑫

①: Lens Diameter
1 - 1.8 mm

②: Pigtail Type
2 - Dual Fiber Pigtail

③③: Wavelength
31 - 1310 nm
55 - 1550 nm

④: Holder Type
1 - Metal Holder
2 - Glass Tube

⑤: Working Distance
0 - 0 mm
5 - 5 mm
SS - Specify

⑥: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None

⑦: Fiber Type
B - 250 μm Bare Fiber

⑧: Slow Axis Orientation
E - As Drawing
F - As Drawing
T - As Drawing

⑨: Fiber Length
Q - 0.75 m
S - Specify

⑩: Lens Type
G - Grin Lens
C - C Lens

⑪: Working Type
T - Transmission Type
R - Reflection Type

⑫: Optical Power
03 - 0.3 W
05 - 0.5 W
3 - 3 W
S - Specify