Polarization Maintaining Dual Fiber Collimator (PMC Series)

Rev 11B

Description

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

Key Features

- Low Insertion Loss
- High Return Loss

Applications

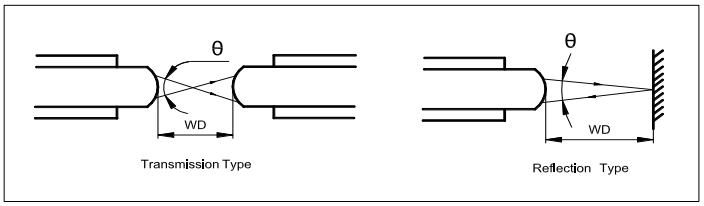
- Beam Delivery
- Fiber Coupling

Specifications

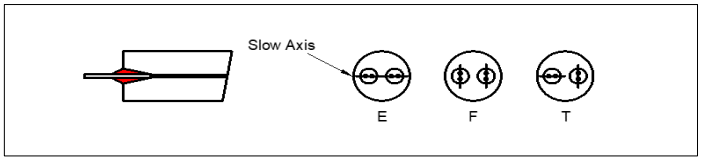
Parameter	Unit	Value				
Center Wavelength (λc)	nm	1310, 1550 or Specify				
Operating Wavelength Range	nm	λc ± 30				
Working Type	-	Transmission Type			Reflection Type	
Lens Type	-	C Lens			C Lens	Grin Lens
Working Distance	mm	5 - 10	11 - 30	31 - 50	2.4	0
Typ. Insertion Loss, 23 ℃	dB	0.20	0.25	0.30	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 Specify				
Operating Temperature	°C	- 5 to + 70				
Storage Temperature	°C	- 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]Maximum optical power handling will be 1 W only for connector added.

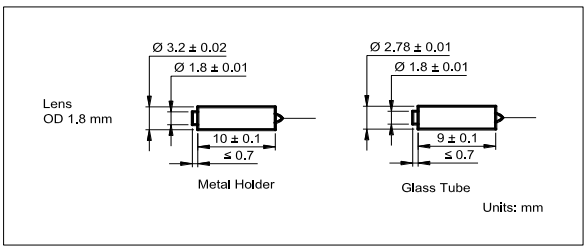
Working Type



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 - 5.0 mm
SS - Specify

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

⑦: Fiber Jacket
B - 250 μm Bare Fiber
L - 900 μm Loose Tube
S - Specify

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