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.
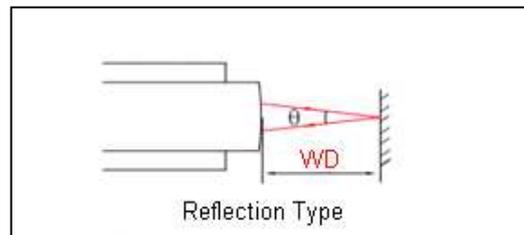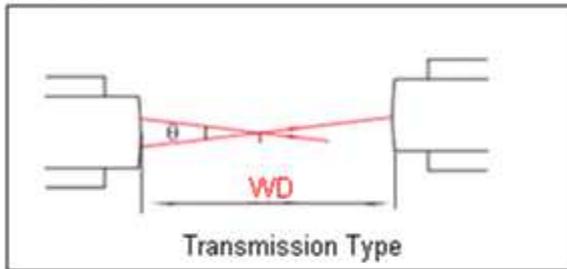
Specifications

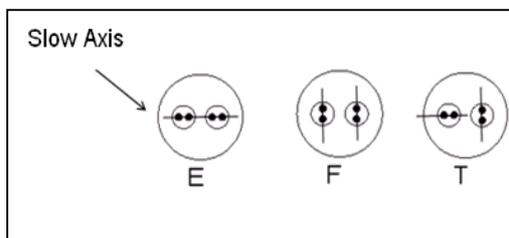| Parameter	Unit	Value			
Center Wavelength (λc)	nm	980, 1064 or specified			
Operating Wavelength Range	nm	λc ± 30			
Working Type	-	Transmission Type			Reflection Type
Working Distance	mm	5 - 10	11 - 30	31 - 50	0 mm for G Lens, 2.4 mm for C Lens
Typ. Insertion Loss @ 23 ℃	dB	0.25	0.30	0.35	0.25
Max. Insertion Loss @ 23 ℃	dB	0.30	0.40	0.45	0.30
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 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

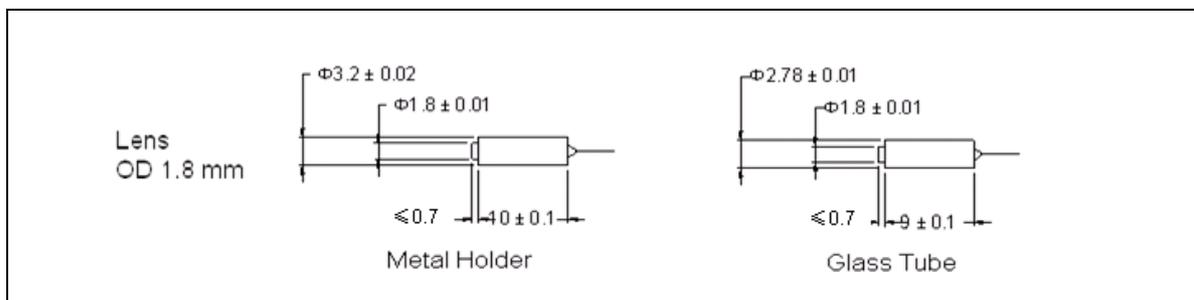[2]Optical Power will be 1W only for connector added.

Working Type

Transmission Type

Reflection Type

Slow Axis Orientation

Slow Axis

E   F   T

日本デバイス株式会社 E-mail sales@j-device.com
www.j-device.com Tel 03-6262-3424 Fax 03-6800-5883
JAPAN DEVICE

Package Dimensions

Lens OD 1.8 mm

Φ3.2 ± 0.02
Φ1.8 ± 0.01
≤0.7
40 ± 0.1
Metal Holder

Φ2.78 ± 0.01
Φ1.8 ± 0.01
≤0.7
9 ± 0.1
Glass Tube

Ordering Information

PMC-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩-⑪-⑫

①: Lens Diameter	②: Pigtail Type	③③: Wavelength	④: Holder Type
1 - 1.8 mm	2 - Dual Fiber Pigtail	98 - 980 nm	1 - Metal Holder
		06 - 1064 nm	2 - Glass Tube

⑤: Working Distance	⑥: Connector Type	⑦: Fiber Type	⑧: Slow Axis Orientation
0 - 0 mm	1 - FC/UPC	B - 250 μm Bare Fiber	E - As Drawing
5 - 5mm	2 - FC/APC		F - As Drawing
SS - Specify	3 - SC/UPC		T - As Drawing
	4 - SC/APC		
	N - None		

⑨: Fiber Length	⑩: Lens Type	⑪: Working Type	⑫: Optical Power
Q - 0.75 m	G - Grin Lens	T - Transmission Type	03 - 0.3 W
S - Specify	C - C Lens	R - Reflection Type	05 - 0.5 W
			3 - 3 W
			S - Specify