



Polarization Maintaining Fiber Collimator

Features

High Extinction Ratio
Low Insertion Loss
High Return Loss

Applications

PM Components
Fiber Sensors
Free Space Communications
Research

Specifications

Parameters	Unit	Values
Center Wavelength	nm	1310 or 1550
Operating Wavelength Range	nm	±30
Working Distance	mm	5
Typ. Insertion Loss at 5mm WD	dB	0.2
Max. Insertion Loss at 5mm WD	dB	0.25
Min. Return Loss	dB	60
Typ. Extinction Ratio	dB	25
Min. Extinction Ratio	dB	23
Tensile Load	N	5
Max. Optical Power (CW)	mW	500
Fiber Type		PM Panda Fiber
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

*The PM fiber & connector key are aligned to the slow axis.

*Tolerance of nominal beam diameter is ±10%.

*The material must be RoHS compliant.

Package Dimensions

	Metal Holder	Glass Tube
	OD (For 1.8mm Lens Dia) <input type="checkbox"/>	$\Phi 3.2 \pm 0.02$ <input type="checkbox"/>
L (For 1.8mm Lens Dia) <input type="checkbox"/>	10 ± 0.1 <input type="checkbox"/>	9.0 ± 0.1 <input type="checkbox"/>
OD (For 1.0mm Lens Dia) <input type="checkbox"/>	$\Phi 1.8 \pm 0.02$ <input type="checkbox"/>	$\Phi 1.4 \pm 0.02$ <input type="checkbox"/>
L (For 1.0mm Lens Dia) <input type="checkbox"/>	9.0 ± 0.1 <input type="checkbox"/>	7.0 ± 0.1 <input type="checkbox"/>

Unit:mm

Ordering Information

PMC-①-②-③-④-⑤-⑥⑥-⑦⑦-⑧-⑨-⑩-⑪-⑫-⑬

①: Wavelength
1310 - 1310nm
1550 - 1550nm
S - Specify

②: Pigtail Type
S - Single Fiber
D - Dual Fiber

③: Lens Diameter
1 - 1.8mm
2 - 1.0mm (for Single Fiber only)
S - Specify

④: Lens Type
G - Grin Lens
C - C Lens

⑤: Working Distance
5 - 5mm
S - Specify

⑥⑥: Connector Type
1B - FC/UPC
2B - FC/APC(Step)
3D - SC/UPC
4D - SC/APC(Step)
N - None
S - Specify

⑦⑦: Fiber Jacket
B - Bare Fiber
C - 900um Red Loose Tube

⑧: Fiber Type
2B - PM 1310
3B - PM 1550

⑨: Fiber Orientation
I - B - T - D - P - E - H - L
O - O Type

⑩: Fiber Length
0.8 - 0.8m
S - Specify

⑪: Package Dimensions
40 - $\Phi 3.2 \times 10$ Metal
50 - $\Phi 2.78 \times 9$ Glass
89 - $\Phi 1.8 \times 9$ Metal
105 - $\Phi 1.4 \times 7$ Glass

⑫: ER Level
B - ≥ 23 dB

⑬: Nominal Beam Diameter
0.36 - 0.36mm at 1550nm
0.45 - 0.45mm at 1550nm only for C Lens
0.33 - 0.33mm at 1310nm
0.42 - 0.42mm at 1310nm only for C Lens
S - Specify