

**Optizone 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

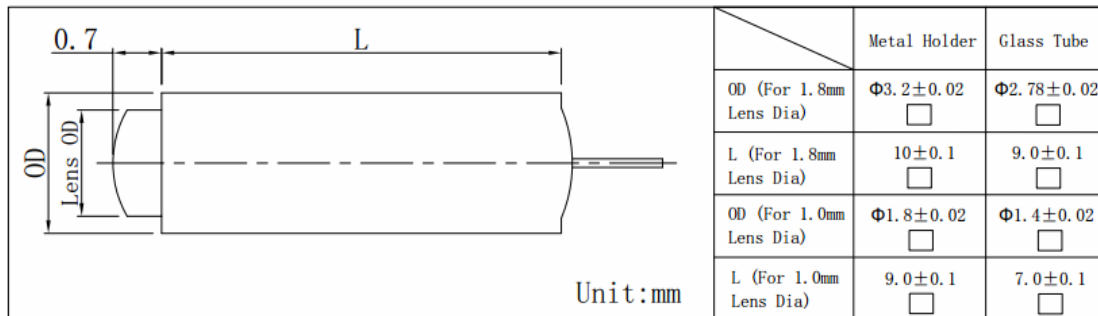
\*Above specifications are for device without connector.

\*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%.

**Package Dimensions**



**Ordering Information**

**PMC-①①-②-③-④-⑤-⑥⑥-⑦⑦-⑧⑧-⑨-⑩-(⑪)-(⑫)(⑫)**

①①: Wavelength

- 31 - 1310nm
- 55 - 1550nm
- SS - 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

- 1 - 5mm
- S - Specify

⑥⑥: Connector Type

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

⑦⑦: Fiber Jacket

- B - 250um Bare Fiber
- L - 900um Loose Tube

⑧⑧: Fiber Type

- 1 - Fiber PM-98-025-B
- 2 - Fiber PM-31-025-B
- 3 - Fiber PM-55-025-E
- S - Specify

⑨: Fiber Orientation

- I - B -T -D -P -E -H -L
- O - One Fiber

⑩: Fiber Length

- 1.5 - 1.5m
- S - Specify

(⑪): Package Type

- 1 - Metal Holder
- 2 - Glass Tube

(⑫)(⑫): Nominal Beam Diameter

- 36 - 0.36mm at 1550nm
- 45 - 0.45mm at 1550nm only for C Lens
- 33 - 0.33mm at 1310nm
- 42 - 0.42mm at 1310nm only for C Lens
- S - Specify