



1064 nm Polarization Maintaining Single Fiber Collimator (PMC Series)

Rev 11

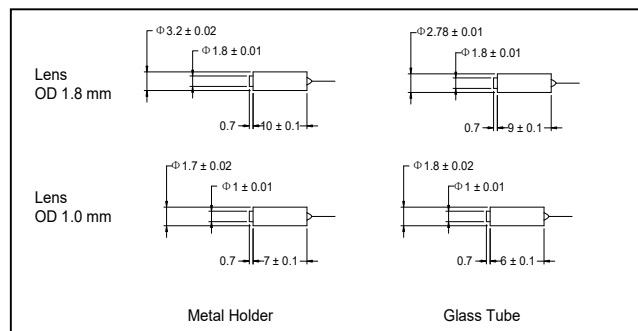
The 1064 nm PM Fiber Collimator is the basic element for in-line PM fiber optics components, such as PM isolator and PM FWM. It has high extinction ratio, low insertion and high return loss. The unique processing and high quality AR coating also enable this collimator to handle high power.

Specifications

| Parameter | Unit | Value |
|--------------------------------------|------|--------------------|
| Center Wavelength (λ_c) | nm | 1064 |
| Operating Wavelength Range | nm | $\lambda_c \pm 30$ |
| Working Distance | mm | 5 or specify |
| Typ. Insertion Loss | dB | 0.25 |
| Max. Insertion Loss | dB | 0.30 |
| Typ. Extinction Ratio | dB | 25 |
| Min. Extinction Ratio | dB | 23 |
| Min. Return Loss | dB | 55 |
| Max. Optical Power (continuous wave) | mW | 300 |
| Max. Tensile Load | N | 5 |
| Fiber Type | | PM 980 Panda fiber |
| Operating Temperature | °C | -5 to +70 |
| Storage Temperature | °C | -40 to +85 |

*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.

Package Dimensions



Ordering Information

PMC-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩

| | | | | |
|--|---|---|--|--|
| ①: Lens Diameter 1 - 1.8 mm 2 - 1.0 mm | ②: Pigtail Type 1 - Single fiber pigtail | ③③: Wavelength 06 - 1064 nm SS - Specify | ④: Holder Type 1 - Metal holder 2 - Glass tube | ⑤: Working Distance 1 - 5 mm S - Specify |
| ⑥: Connector Type 1 - FC/UPC 2 - FC/APC 3 - SC/UPC 4 - SC/APC N - None S - Specify | ⑦: Fiber Jacket B - 250 μ m Panda fiber L - 900 μ m loose tube S - Specify | ⑧: Slow Axis Orientation O - For single fiber collimator | ⑨: Fiber Length F - 1.5 m S - Specify | ⑩: Lens Type G - Grin lens C - C lens |