

Introduction

Rayzer's **High Power Polarization Maintaining Collimator(HPPMC)** series product, is the basic element for in-line PM fiber optics components, such as PM Isolator, PM FWDM, PM Filter Coupler and PM Circulator. 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.



Specification

| Parameters | Unit | Values |
|----------------------------|------|----------------------|
| Center Wavelength | nm | 1310/1550 |
| Operating Wavelength Range | nm | ±30 |
| Beam Diameter | Mm | 0.4/0.9/1.0/Specify |
| Working Distance | mm | 50 or Specify |
| @50mm Typ. Insertion Loss | dB | 0.2 |
| @50mm Max. Insertion Loss | dB | 0.4 |
| @25℃ Typ. Extinction Ratio | dB | 25 |
| @25℃ Min. Extinction Ratio | dB | 23 |
| Min. Return Loss | dB | 50 |
| Handing Power | W | 3/5/10/20/50/Specify |
| Max. Tensile Load | N | 5 |
| Fiber Type | - | PM1550 |
| Working Temperature | ℃ | -5 to +70 |
| Storage Temperature | ℃ | -40 to +85 |

*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.

*Above specifications are for device without connector and may change without notice.

Ordering Information

HPPMC-①-②-③-④-⑤-⑥-⑦-⑧-⑨

| ①Center Wavelength | ②Handing Power | ③Lens Type | ④Working Distance | ⑤Fiber Type | ⑥Fiber Length | ⑦Fiber Jacket | ⑧Connector | ⑨Power Type |
|--------------------|----------------|------------|-------------------|---------------|---------------|--------------------|------------|--------------|
| 1064-1064nm | 2-2W | G-G Lens | 50-50mm | PM980-PM980 | 1-1M | 0-Bare Fiber | FU-FC/PC | C-Continuous |
| 1550-1550nm | 3-3W | S-Specify | 100-100mm | PM1550-PM1550 | 1.5-1.5M | 1-900μm Loose Tube | FA-FC/APC | P-Pulse Wave |
| 2000-2000nm | 10-10W | | 500-500mm | S-Specify | S-Specify | 2-2mm Cable | S-specify | |
| S-Specify | S-Specify | | Specify | | | 3-3mm Cable | | |