

## 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	1064	1310/1550
Operating Wavelength Range	nm	±20	±30
Beam Diameter	Mm	0.4/0.9/1.0/Specify	0.4/0.9/1.0/Specify
Working Distance	mm	50 or Specify	50 or Specify
@50mm Typ. Insertion Loss	dB	0.25	0.2
@50mm Max. Insertion Loss	dB	0.5	0.4
@25°C Typ. Extinction Ratio	dB	25	25
@25°C Min. Extinction Ratio	dB	22	23
Min. Return Loss	dB	50	50
Handing Power	W	3/5/10/20/50/Specify	3/5/10/20/50/Specify
Max. Tensile Load	N	5	5
Fiber Type	-	PM980 Panda Fiber	PM1550
Working Temperature	°C	-5 to +70	-5 to +70
Storage Temperature	°C	-40 to +85	-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		