

Polarization Maintaining Collimator(PMC)

Specialist in Special Optic Devices

Introduction

Beamq polarization Maintaining Collimator(PMC) 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	±30	±30
Working Distance	mm	5 or Specify	5 or Specify
@5mm Typ. Insertion Loss	dB	0.25	0.2
@5mm Max. Insertion Loss	dB	0.3	0.25
@25°C Typ. Extinction Ratio	dB	25	25
@25°C Min. Extinction Ratio	dB	22	23
Min. Return Loss	dB	60	60
Handing Power	mW	300	500
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

PMC-①-②-③-④-⑤-⑥-⑦-⑧

① Central Wavelength	② Lens Type	③ Working Distance	④ Package Dimension	⑤ Fiber Type	⑥ Fiber Length	⑦ Fiber Jacket	⑧ Connector
1064-1064nm	G-G lens	50-50mm	3.2x10	PM980-PM980	1-1M	0-Bare Fiber	FU-FC/PC
1550-1550nm	S-Specify	100-100mm	S-Specify	PM1550-PM1550	S-Specify	1-900μm Loose Tube	FA-FC/APC
2000-2000nm		500-500mm		S-Specify		2-2mm Cable	S-specify
S-Specify		S-Specify					