



High Power Polarization Maintaining Fiber Collimator (HPPMC Series)

Rev 11C

Description

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

Key Features

- High Power Handling
- High Return Loss

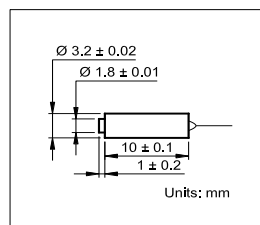
Applications

- Fiber Coupling
- Beam Delivery

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064
Operating Wavelength Range	nm	$\lambda_c \pm 20$
Working Distance	mm	50
Typ. Insertion Loss	dB	0.45
Max. Insertion Loss	dB	0.50
Min. Extinction Ratio	dB	20
Min. Return Loss	dB	55
Max. Optical Power (Continuous Wave)	W	3, 5, 10
Max. Peak Power (Pulse Width, 10 ns)	kW	10
Max. Tensile Load	N	5
Fiber Type	-	PM 980 Panda Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

Package Dimensions



Ordering Information

HPPMC-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩-⑪-⑫

①: Lens Diameter 1 - 1.8 mm	②: Pigtail Type 1 - Single Fiber Pigtail	③③: Wavelength 06 - 1064 nm	④: Holder Type 1 - Metal Holder
⑤: Working Distance 50 - 50 mm	⑥: Connector Type N - None	⑦: Fiber Jacket B - 250 μ m Bare Fiber L - 900 μ m Red 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 C - C Lens	⑪: Handling Power 3 - 3 W 5 - 5 W 10 - 10 W	⑫: Power Type P - Pulse Application C - Continuous Wave