

# 1550 nm High Power Polarization Maintaining Fiber Collimator



## Features

High Handling Power  
High Extinction Ratio  
Low Insertion Loss  
High Return Loss

## Applications

PM Components  
Research  
Free Space Communications  
Fiber Lasers

## Specifications

Parameters	Unit	Values
Center Wavelength	nm	1550
Operating Wavelength Range	nm	±20
Nominal Beam Diameter	mm	0.45, 0.5, 0.8 , 1.0 or Specify
Working Distance	mm	5 or Specify
Typ. Transmission	-	98%
Min. Transmission	-	93%
Min. Return Loss	dB	50
Typ. Extinction Ratio	dB	25
Min. Extinction Ratio	dB	22
Max. Optical Power (CW)	W	3, 5, 10 or Specify
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

## Package Dimensions

	Lens ØD	ØD	L	
1	$\phi 1.8_{-0.01}^{+0}$	$\phi 3.2 \pm 0.02$	$10 \pm 0.1$	<input type="checkbox"/>
2	$\phi 1.8_{-0.01}^{+0}$	$\phi 3.2 \pm 0.02$	$14 \pm 0.1$	<input type="checkbox"/>
3				<input type="checkbox"/>
4				<input type="checkbox"/>
5				<input type="checkbox"/>
6				<input type="checkbox"/>
7				<input type="checkbox"/>

Unit in mm

## Ordering Information

HPMC-①①-②②-③③-④-⑤⑤-⑥-⑦-⑧

### ①①: Wavelength

55 - 1550nm

SS - Specify

### ②②: Beam Diameter

04 - 0.45mm

05 - 0.5mm

08 - 0.8mm

1 - 1.0mm

SS - Specify

### ③③: Working Distance

05 - 5mm

SS - Specify

### ④: Fiber Jacket

B - 250um Bare Fiber

L - 900um Loose Tube

C - 3mm Loose Cable

A - 3mm Armoured Cable

S - Specify

### ⑤⑤: Handling Power

03 - 3W

05 - 5W

10 - 10W

SS - Specify

### ⑥: Fiber Type

1 - Fiber PM-31-025-B (PM 1310)

2 - Fiber PM-55-025-B (PM 1550)

### ⑦: Fiber Length

1.5 - 1.5m

S - Specify

### ⑧: Package Type

1 - Dia 3.2\*10

2 - Dia 3.2\*14