

Polarization Insensitive Fiber Collimator



Features

High Handling Power
Low Insertion Loss
High Return Loss
Low PDL

Applications

Free Space Communications
Fiber Sensors
Research
Fiber Lasers

Specifications

Parameters	Unit	Values
Center Wavelength	nm	1310 or 1550
Operating Wavelength Range	nm	± 20
Nominal Beam Diameter	mm	0.4, 0.5 or Specify
Working Distance	mm	5 or Specify
Typ. Insertion Loss at 5mm WD	dB	0.2
Max. Insertion Loss at 5mm WD	dB	0.3
Min. Return Loss	dB	50
Max. PDL	dB	0.02
Max. Optical Power (CW)	mW	3, 5, 10 or Specify
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

* The PM fiber & connector key are aligned to the slow axis.

Package Dimensions

		Lens OD	OD	L	
	1	∅1.8 ⁺⁰ _{-0.01}	∅3.2±0.02	10±0.1	☐
	2				☐
	3				☐
	4				☐
	5				☐
	6				☐
	7				☐

Ordering Information

HC-①①-②②-③③-④-⑤⑤-⑥-⑦-⑧

①①: Wavelength

31 - 1310nm
48 - 1480nm
55 - 1550nm
SS - Specify

②②: Beam Diameter

04 - 0.4mm
05 - 0.5mm
SS - Specify

③③: Working Distance

05 - 5mm
SS - Specify

④: Fiber Jacket

B - 250um Bare Fiber
L - 900um Bare Fiber
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 - SMF-28e Fiber

⑦: Fiber Length

1.5 - 1.5m
S - Specify

⑧: Package Type

1 - Diameter 3.2*10