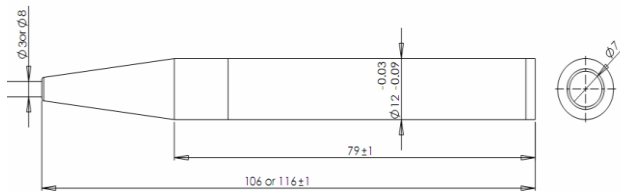


High Power Large Beam Fiber Collimator 1064nm, 20W

The 1064nm High Power Large Beam Fiber Collimator is composed of fiber pigtail and lens, it can be used to emit beams with a specified working distance or parallel beams. Or, they can be used to launch a laser beam into a optical fiber. OF-LINK offers fiber collimator with large beam diameter upto 5mm, and handling power upto 20W.



Features

- Low Insertion Loss
- Large Beam Diameter
- High Power Handling

Applications

- Fiber Laser
- Free Space Communications
- Lab & Research

Performance Specification

Parameter	Value	Unit
Center Wavelength	1064	nm
Bandwidth	±30	nm
Beam Diameter	5±1	mm
Working Distance	1000 or customized	mm
Typ. Insertion Loss	0.4	dB
Max. Insertion Loss	0.6	dB
Max. Far Field Divergence (1064)	0.5 or customized	mrad
Max. PDL	0.1	dB
Min. Return Loss	55	dB
Max. Optical Power (Continuous Wave)	1, 3, 5, 10, 20	W
Max. Tensile Load	5	N
Fiber Type	10/125 DS Fiber or Customized	
Operating Temperature	-5 to +65	°C
Storage Temperature	-50 to +85	°C
Package Dimension	Φ12×L106, or Φ12×L116	mm

Note

* Test at center wavelength without connector. For devices with connectors, EL will be 0.2dB higher, and PER will be 2dB lower.

* Available for fast axis operating or slow axis operating. If you need both axis operating please contact us.

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

Ordering Information

HPLBC-AAAA-BB-CC-DD-EE-FF-GG-HH

AAAA	BB	CC	DD	EE	FF	GG	HH
Wavelength	Beam Diameter	Far Field Divergence	Fiber Type	Fiber Jacket Length	Bare Fiber Length	Connector	Power
1064 - 1064nm	05 - 5.0mm	05 - 0.5 mrad	06 - 6/125 Fiber	L10 - 900um Loose Tube	05 - 0.5m	NE - None	Z5 - 0.5W
SSSS - Specify	SS - Specify	SS - Specify	10 - 10/125 Fiber	1.0m Length	08 - 0.8m	FA - FC/APC	01 - 1W
			SS - Specify	C20 - 3mm Loose Tube	10 - 1.0m	FP - FC/PC	03 - 3W
				2.0m Length	15 - 1.5m	SA - SC/APC	05 - 5W
				A20 - 3mm Armoured	SS - Specify	SP - SC/PC	10 - 10W
				Cable 2.0m Length		LA - LC/APC	20 - 20W
						LP - LC/PC	SS - Specify
						SS - Specify	