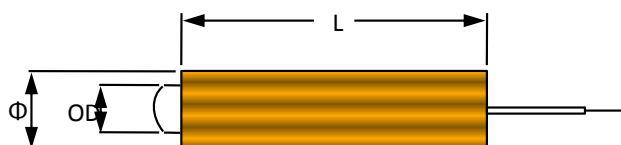


## High Power Fiber Collimator 1064nm, 20W

The 980, 1030 1040 1053 1064 nm High Power 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 an optical fiber. Customized fiber type, beam diameter and working distance available upon request, the high power collimator's handling power could be up to 20W.



Lens OD:1.8mm or 2.78mm

### Features

- Low Insertion Loss
- Various Fiber Types
- High Power Handling

### Applications

- Fiber Laser
- Free Space Communications
- Lab & Research

### Performance Specification

Parameter	Value				Unit
Center Wavelength	980, 1030, 1040, 1053, 1064 or 1080				nm
Bandwidth	±20				nm
Working Distance	0-201	200-501	500-801	800-1201	mm
Nominal Beam Diameter	0.52	0.85	1.09	1.52	mm
Typ. Insertion Loss	0.25	0.45	0.55	0.8	dB
Max. Insertion Loss	0.5	0.7	0.8	1.2	dB
Package Dimension (Metal Holder)	Φ3.2×L10	Φ3.2×L14	Φ3.8×L14	Φ3.8×L17	mm
Lens OD (C Lens)	1.8	1.8	2.78	2.78	mm
Min. Return Loss	55				dB
Max. Optical Power (Continuous Wave)	1, 3, 5, 10, 20 or customized				W
Max. Peak Power for ns pulse	1, 3, 5, 10, 20 or customized				kW
Max. Tensile Load	5				N
Fiber Type	HI 1060, 10/125, 20/125 Fiber or Customized				
Operating Temperature	-5 to +70				°C
Storage Temperature	-50 to +85				°C

### Note

\* Test at center wavelength without connector. For devices with connectors, IL will be 0.5dB higher, and RL will be 5dB lower.

\* Higher power available upon request.

\* Connectors only Max. CW 1W guarantee.

\* Specifications may change without notice, please confirm before placing order.

### Ordering Information

#### HPCL-AAAA-BBB-CCC-DD-E-FF-GG-HH

AAAA	BBB	CCC	DD	E	FF	GG	HH
Wavelength	Beam Diameter	Working Distance	Fiber Type	Fiber Jacket Length	Bare Fiber Length	Connector	Power
980 - 980nm	052 - 0.52mm	050 - 50mm	06 - 6/125 Fiber	B - 250um Bare Fiber	05 - 0.5m	NE - None	Z5 - 0.5W
1030 - 1030nm	085 - 0.85mm	100 - 100mm	10 - 10/125 Fiber	L - 900um Loose Tube	08 - 0.8m	FA - FC/APC	01 - 1W
1040 - 1040nm	109 - 1.09mm	200 - 200mm	20 - 20/125 Fiber		10 - 1.0m	FP - FC/PC	03 - 3W
1053 - 1053nm	152 - 1.52mm	300 - 300mm	SS - Specify		15 - 1.5m	SA - SC/APC	05 - 5W
1064 - 1064nm	SSS - Specify	500 - 500mm			SS - Specify	SP - SC/PC	10 - 10W
1080 - 1080nm		800 - 800mm				LA - LC/APC	20 - 20W
SSSS - Specify		1000 - 1000mm				LP - LC/PC	SS - Specify
		SSS - Specify				SS - Specify	