



# High Power Single Fiber Collimator (HPC Series)

Rev 11

## Description

The High Power Fiber Collimator is Specially designed for high power application.

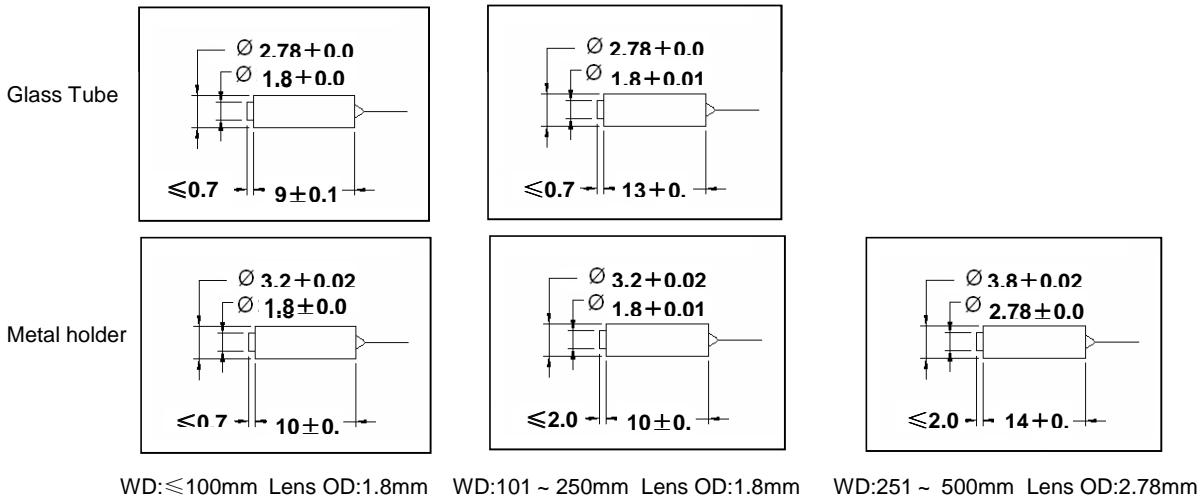
## Specifications

Parameter	Unit	Value			
Center Wavelength ( $\lambda_c$ )	nm	1310, 1480, 1550			
Operating Wavelength Range	nm	$\lambda_c \pm 30$			
Working Distance	mm	5 - 50	51 - 100	101 - 250	251 - 500
Typ. Insertion Loss	dB	0.3	0.35	0.4	0.6
Max. Insertion Loss	dB	0.4	0.45	0.5	0.7
Nominal Beam diameter	mm	0.4	0.45	0.75	0.95
Min. Return Loss	dB	55			
Max. Optical Power	W	5, 10			
Max. Tensile Load	N	5			
Fiber Type	-	SMF-28 Fiber			
Operating Temperature	°C	- 5 to + 70			
Storage Temperature	°C	- 40 to + 85			

<sup>1</sup>IL is 0.3 dB higher and RL is 5 dB lower for each connector added.

<sup>2</sup>Optical power will be only 1 W with connector added.

## Package Dimensions



## Ordering Information

HPC-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩

- |  |   |  |  |   |
|--|---|--|--|---|
| ①: Lens Diameter<br>1 - 1.8 mm<br>3 - 2.78 mm  | ②: Pigtail Type<br>1 - Single Fiber Pigtail                     | ③③: Wavelength<br>31 - 1310 nm<br>48 - 1480 nm<br>55 - 1550 nm | ④: Holder Type<br>1 - Metal Holder<br>2 - Glass Tube | ⑤: Working Distance<br>5 - 5 mm<br>S - Specify          |
| ⑥: Connector Type<br>1 - FC/UPC<br>2 - FC/APC<br>3 - SC/UPC<br>4 - SC/APC<br>N - None<br>S - Specify | ⑦: Fiber Type<br>B - 250 μm Bare Fiber<br>L - 900 μm Loose Tube | ⑧: Fiber Length<br>C - 1.5 m<br>S - Specify                    | ⑨: Lens Type<br>C - C Lens                           | ⑩: Optical Power<br>5 - 5 W<br>10 - 10 W<br>S - Specify |