



## High Power Single Fiber Collimator (HPC Series)

Rev 11

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

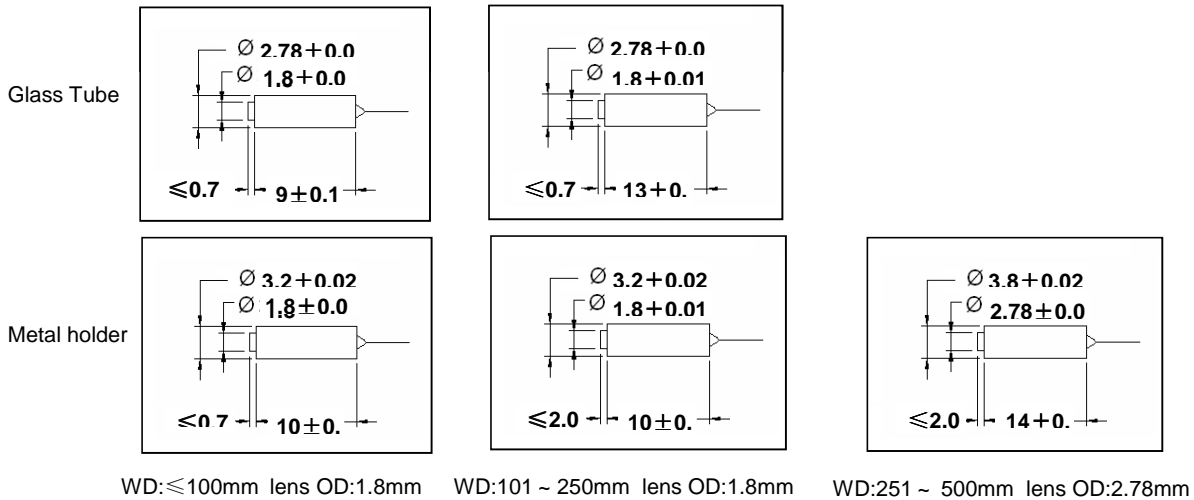
### Specifications

Parameter	Unit	Value			
Center Wavelength ( $\lambda_c$ )	nm	1310, 1480 or 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	~ 0.45	~ 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			

\*IL is 0.3 dB higher and RL is 5 dB lower for each connector added.

\*\*Optical power will be only 1 W with connector added.

### Package Dimensions



WD: ≤100mm lens OD: 1.8mm

WD: 101 ~ 250mm lens OD: 1.8mm

WD: 251 ~ 500mm lens OD: 2.78mm

### Ordering Information

HPC-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩

①: Lens Diameter	②: Pigtail Type	③③: Wavelength	④: Holder Type	⑤: Working Distance
1 - 1.8 mm	1 - Single fiber pigtail	31 - 1310 nm	1 - Metal holder	5 - 5 mm
3 - 2.78 mm		48 - 1480 nm	2 - Glass Tube	S - Specify
		55 - 1550 nm		
⑥: Connector Type	⑦: Fiber Type	⑧: Fiber Length	⑨: Lens Type	⑩: Optical Power
1 - FC/UPC	B - 250 $\mu$ m bare fiber	C - 1.5 m	C - C lens	5 - 5 W
2 - FC/APC	L - 900 $\mu$ m loose tube	S - Specify		10 - 10 W
3 - SC/UPC				S - Specify
4 - SC/APC				
N - None				
S - Specify				