

High Power Single Fiber Collimator (GK-HPC Series)

● Description

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

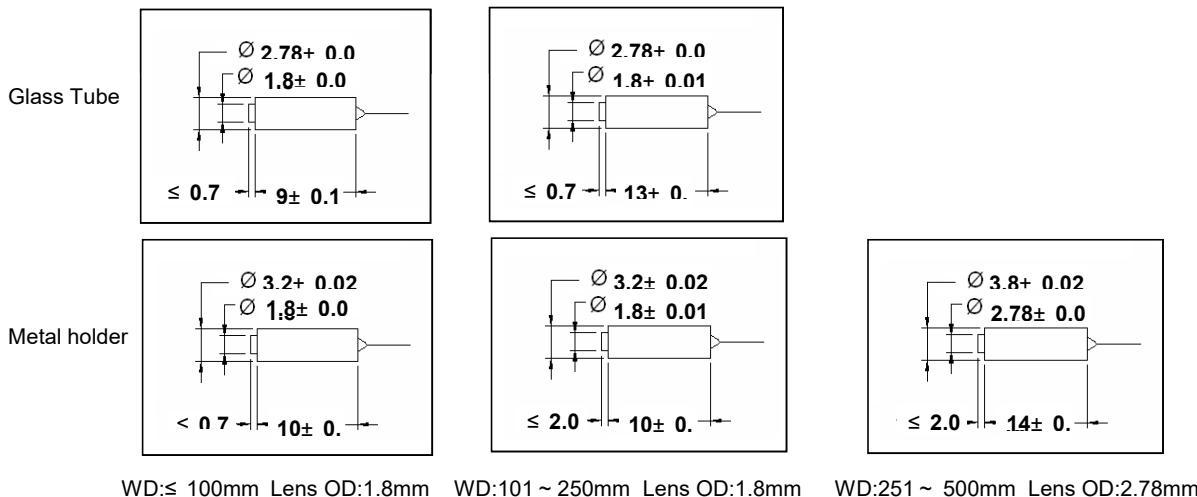
● Specifications

Parameter	Unit	Type A
Center Wavelength (λ_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

¹IL is 0.3 dB higher and RL is 5 dB lower for each connector added.

²Optical 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

GK-HPC-①-②-③-④-⑤-⑥-⑦-⑧-⑨-⑩

①: Lens Diameter

- 1 - 1.8 mm
- 2 - 1.0 mm

②: Pigtail Type

- 1 - Single Fiber Pigtail

③: Wavelength

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

④: Holder Type

- 1 - Metal Holder
- 2 - Glass Tube

⑤: Working Distance

- 5 - 5 mm
- S-Specify

⑥: Connector Type

- 1 - FC/UPC 4 - SC/APC
- 2 - FC/APC N - None
- 3 - SC/UPC S - Specify

⑦: Fiber Jacket

- B - 250 μ m Bare Fiber
- L - 900 μ m Loose Tube

⑧: Fiber Length

- C - 1.5 m
- S - Specify

⑨: Lens Type

- C - C Lens

⑩: Optical Power

- 5 - 5 W
- 10 - 10 W
- S - Specify