



# Single Fiber Collimator

## (GK-C Series)

### ● Description

The Fiber Collimator is the basic element for in-line fiber optics components, such as isolator and FWDM. It has low insertion loss and high return loss. The unique processing and high quality AR coating also enable this collimator to handle high power.

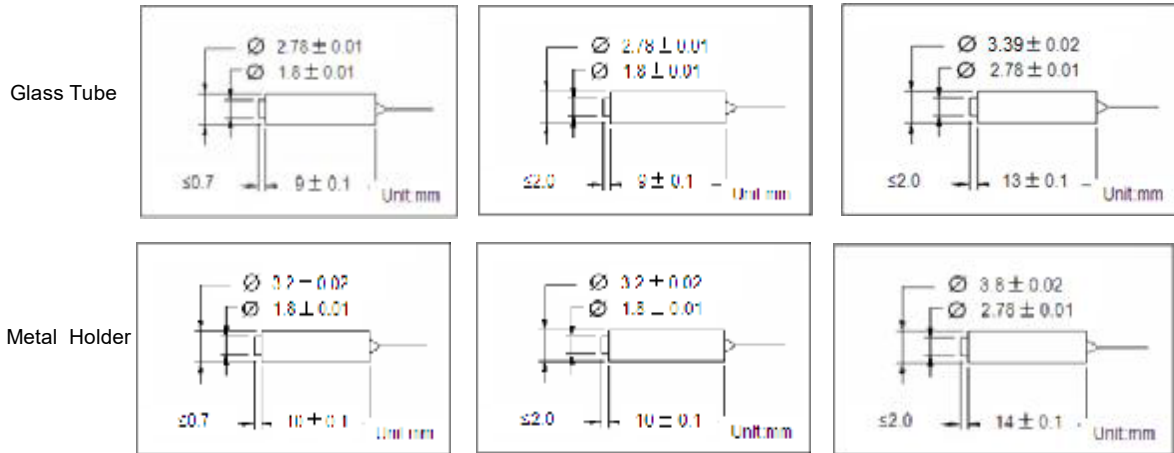
### ● Specifications

Parameter	Unit	Type A
CenterWavelength ( $\lambda_c$ )	nm	310, 1480, 1550 or specified
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Working Distance	mm	5 - 50 51 - 100 101 - 250 251 - 500
Typ. Insertion Loss	dB	0.25 0.25 0.3 0.5
Max. Insertion Loss	dB	0.30 0.35 0.4 0.6
Beam Diameter( $1/e^2$ )	mm	$0.45 \pm 0.05$ $0.75 \pm 0.05$ $0.95 \pm 0.05$
Min. Return Loss	dB	55
Max. Optical Power	W	0.3, 0.5...3
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



WD:0-100 mm , lens OD: 1.8 mm    WD:101-250 mm , lens OD: 1.8 mm    WD: 251-500 mm , lens OD:2.7

## ● Ordering Information

GK-C-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 μm Bare Fiber
- L - 900 μm Loose Tube

### ⑧: Fiber Length

- 1 - 1.0 m
- S - Specify

### ⑨: Optical Power

- 03 - 0.3W
- 05 - 0.5W
- 3 - 3W
- S-Specify

### ⑩: Lens Type

- C - C Lens