

Optical Fiber Collimator | SFC1/MFC1

RoHS

Single-core optical fiber collimator <jacket type/bare type>

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motorized Stages

Light Sources & Laser Safety

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Microscope Unit

Alignment

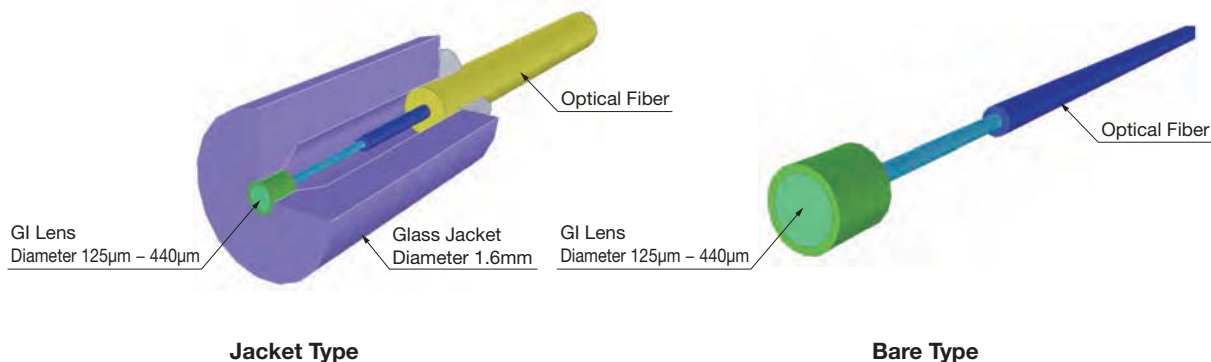
Interferometers

Inspection/Observation

Bio-photonics

Laser Processing

- Single-mode/Multi-mode
- Can be adapted to high heat-resistant structures
- Disconnection prevention and protection structure
- Rigid type for outstanding handling
- Compact
- Excellent versatility



Specifications					
Type	Single-mode: SFC1			Multi-mode: MFC1	
Beam waist diameter	50µm	80µm	170µm	90µm	165µm
Beam waist position	0.5mm	2.5mm	7.0mm	0.3mm	1.0mm
Lens Diameter	125µm	240µm	440µm	240µm	420µm
Termination Type	Jacket type, bare type			Jacket type, bare type	
Insertion loss	≤0.5dB			≤0.5dB	
Lens End Face Angle	Flat-polished			Flat-polished	
Wavelength Used	1310nm or 1550nm			850nm, 1310nm, 1550nm	
Optical Fiber	SMF, PMF (strand diameter 250µm)			MMF GI50 50/125µm, NA0.2 (strand diameter 250µm)	
Connector	FC, SC, SMA			FC, SC, SMA	

Note: The beam waist diameter and beam waist position are design values, and may not meet the specifications that have been specified. Specifications other than the above can also be custom-designed. Please contact our International Sales Division for more information.

Specifying Part Numbers

For single-mode

SFC1- - - - -

Termination Type

01: Jacket type (adhesive-free)
02: Jacket type (adhesive)
00: Bare type

Beam waist diameter

50: 50µm
80: 80µm
170: 170µm

Beam waist position

0.5: 0.5mm
2.5: 2.5mm
7.0: 7.0mm

Fiber Type

SMF2: SMF, 2m
PMF1: PMF, 1m

Connector Type

FC: FC connector
SC: SC connector
SMA: SMA connector
0: No connector

For multi-mode

MFC1- - - - -

Termination Type

01: Jacket type (adhesive-free)
02: Jacket type (adhesive)
00: Bare type

Beam waist diameter

90: 90µm
165: 165µm

Beam waist position

0.3: 0.3mm
1.0: 1.0mm

Fiber Length

01: 1m
10: 10m

Connector Type

FC: FC connector
SC: SC connector
SMA: SMA connector
0: No connector