

## Multimode Single Fiber Collimator (MMC Series)

Rev 11

### Description

The Multimode Fiber Collimator is the basic element for in-line fiber optic 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.

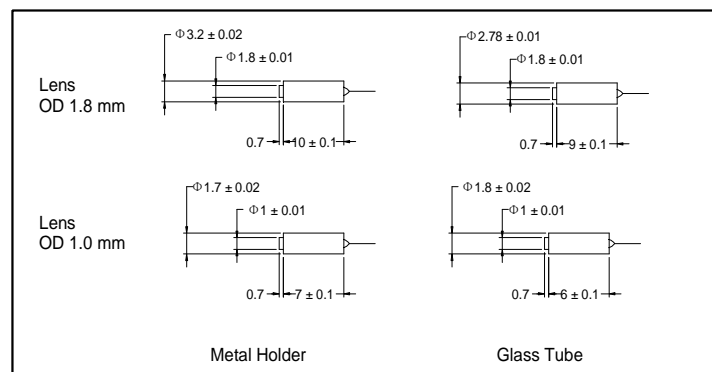
### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1310, 1550, or specified
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Working Distance	mm	5 or specified
Typ. Insertion Loss	dB	0.20
Max. Insertion Loss	dB	0.25
Min. Return Loss	dB	35
Max. Tensile Load	N	5
Fiber Type	-	Multimode Fiber 105/125, 62.5/125, 50/125 $\mu\text{m}$ or specified
Operating Temperature	$^{\circ}\text{C}$	- 5 to + 70
Storage Temperature	$^{\circ}\text{C}$	- 40 to + 85

<sup>1</sup>IL is 0.3 dB higher for each connector added.

<sup>2</sup>Above specifications are measured at low order modes.

### Package Dimensions



### Ordering Information

#### MMC-①-②-③-④-⑤-⑥-⑦-⑧-⑨-⑩

①: Lens Diameter 1 - 1.8 mm 2 - 1.0 mm S - Specify	②: Pigtail Type 1 - Single Fiber Pigtail	③: Wavelength 31 - 1310 nm 55 - 1550 nm SS - Specify	④: Package Dimensions 1 - Metal Holder 2 - Glass Tube	⑤: Working Distance 1 - 5 mm S - Specify
⑥: Connector Type 1 - FC/PC 2 - FC/APC 3 - SC/PC 4 - SC/APC N - None S - Specify	⑦: Fiber Type B - 250 $\mu\text{m}$ Bare Fiber L - 900 $\mu\text{m}$ Loose Tube S - Specify	⑧: Fiber Length F - 1.5 m S - Specify	⑨: Lens Type G - Grin Lens C - C Lens	⑩: Fiber Core 1 - 105/125 $\mu\text{m}$ 2 - 62.5/125 $\mu\text{m}$ 3 - 50/125 $\mu\text{m}$ S - Specify

2 - 62.5/125  $\mu\text{m}$