



Single Fiber Collimator (C Series)

Description

Rev 11C

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.

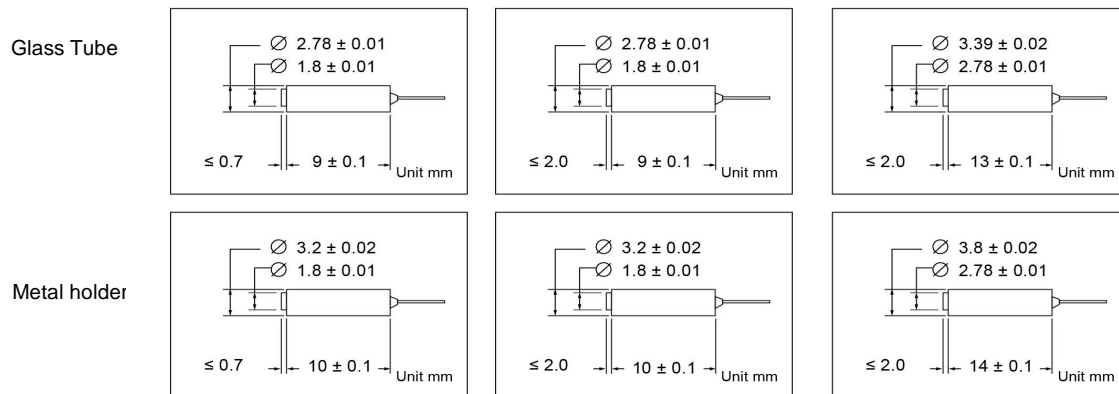
Specifications

Parameter	Unit	Value			
Center Wavelength (λ_c)	nm	1310, 1480, 1550, 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	0.3	0.35	0.4	0.6
Beam Diameter ($1/e^2$)	mm	0.45 ± 0.05	0.45 ± 0.05	0.75 ± 0.05	0.95 ± 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			

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: ≤100 mm, lens OD: 1.8 mm WD: 101-250 mm, lens OD: 1.8 mm WD: 251-500 mm, lens OD: 2.78 mm

Ordering Information

C-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩

①: Lens Diameter 1 - 1.8 mm 3 - 2.78 mm	②: Pigtail Type 1 - Single Fiber Pigtail	③③: 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 2 - FC/APC 3 - SC/UPC 4 - SC/APC N - None S - Specify	⑦: Fiber Type B - 250 μ m Bare Fiber L - 900 μ m Loose Tube	⑧: Fiber Length 1 - 1.0 m S - Specify	⑨: Lens Type C - C Lens	⑩: Optical Power 03 - 0.3 W 05 - 0.5 W 3 - 3 W S - Specify