



## 1310/1480/1550 nm Single Fiber Collimator (C Series)

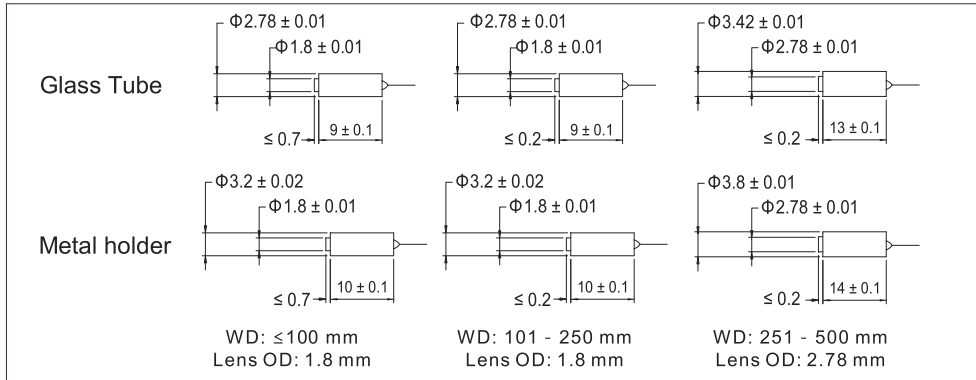
The fiber collimator is the basic element for in-line fiber optics components, such as isolator and DWDM. It has low insertion loss and high return loss. The unique processing and high quality AR coating also enable this collimator to handle high power.

### Specifications

Parameter	Unit	Value			
Center Wavelength ( $\lambda_c$ )	nm	1310, 1480, 1550 or specify			
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	$0.45 \pm 0.05$	$0.45 \pm 0.05$	$0.75 \pm 0.05$	$0.95 \pm 0.05$
Min. Return Loss	dB	55			
Max. Optical Power (Continuous Wave)	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			

\*IL is 0.3 dB higher and RL is 5 dB lower for each connector added. \*Optical power is only 1 W only for connector added.

### Package Dimensions



### 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 - 5.0 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 $\mu$ m bare fiber L - 900 $\mu$ m loose tube	⑧: Fiber Length 1 - 1.0 m S - Specify
⑨: Lens Type C - C lens			