



Single Fiber Collimator (C Series)

Spec. Review No.: SR24278 Date: Jul. 6, 2022

Description

The fiber collimator is specially designed for customer.

Key Features

- Low Insertion Loss
- High Return Loss

Applications

- Beam Delivery
- Fiber Optic Instruments

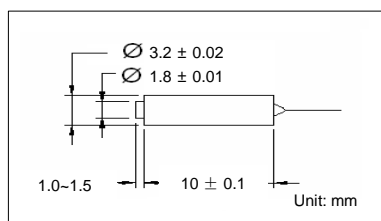
Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	638
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Working Distance	mm	100 200
Beam Waist Diameter ($1/e^2$, λ_c)	mm	~ 0.46 ~ 0.43
Typ. Insertion Loss (Free Space Output)	dB	0.45
Max. Insertion Loss (Free Space Output)	dB	0.60
Min. Return Loss	dB	50
Max. Optical Power (Continuous wave)	mW	20
Max. Tensile Load	N	5
Fiber Type	-	Nufern 630-HP Fiber
Operating Temperature	°C	23 ± 10
Storage Temperature	°C	- 40 to + 85

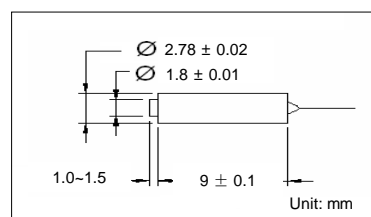
¹Fiber pigtail without AR coating.

²IL is 1.5 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Metal Holder



Glass Tube

Ordering Information

C-①-②-③③③-④-⑤⑤⑤-⑥-⑦-⑧-⑨

①: Lens Diameter 1 - 1.8 mm	②: Pigtail Type 1 - Single Fiber Pigtail	③③③: Wavelength 638 - 638 nm	④: Holder Type 1 - Metal Holder 2 - Glass Tube	⑤⑤⑤: Working Distance 100 - 100 mm 200 - 200 mm
⑥: Connector Type 1 - FC/UPC 2 - FC/APC N - None S - Specify	⑦: Fiber Type B - 250 μ m Bare Fiber L - 900 μ m Loose Tube S - Specify	⑧: Fiber Length 1 - 1.0 m S - Specify	⑨: Lens Type C - C Lens	