

Dual Fiber Collimator (C Series)

Rev 11B

Description

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

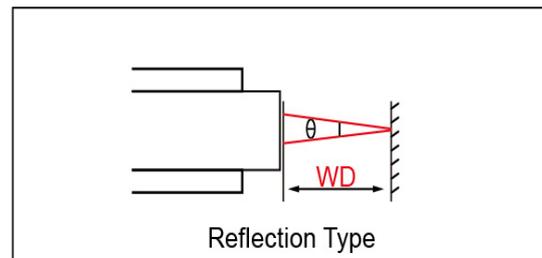
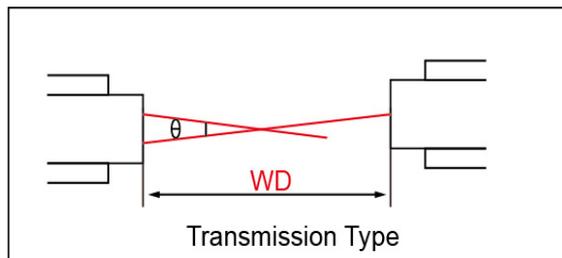
Specifications

Parameter	Unit	Value			
Center Wavelength (λ_c)	nm	1310, 1550, or, specified			
Operating Wavelength Range	nm	$\lambda_c \pm 30$			
Working Type	-	Transmission Type		Reflection Type	
Working Distance	mm	5 - 10	11 - 30	31 - 50	0 mm for G Lens, 2.4 mm for C Lens
Typ. Insertion Loss @ 23 °C	dB	0.20	0.25	0.30	0.20
Max. Insertion Loss @ 23 °C	dB	0.25	0.35	0.40	0.25
Min. Return Loss @ 23 °C	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			

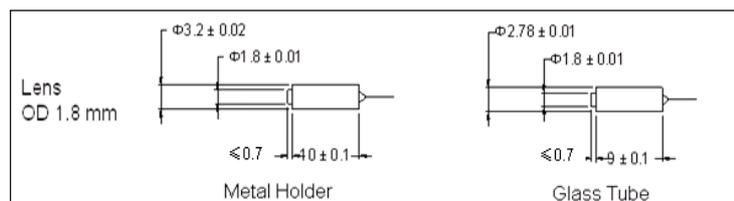
¹IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

²Optical Power will be 1 W only for connector added.

Working Type



Package Dimensions



Ordering Information

C-①-②-③③-④-⑤-⑥-⑦-⑧-⑨-⑩-⑪

①: Lens Diameter

1 - 1.8 mm

②: Pigtail Type

2 - Dual Fiber Pigtail

③③: Wavelength

31 - 1310 nm

55 - 1550 nm

SS - Specify

④: Holder Type

1 - Metal Holder

2 - Glass Tube

⑤: Working Distance

0 - 0 mm

5 - 5 mm

SS - 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 μm Bare Fiber

⑧: Fiber Length

1 - 1.0 m

S - Specify

⑨: Lens Type

G - Grin Lens

C - C Lens

⑩: Working Type

T - Transmission Type

R - Reflection Type

⑪: Optical Power

03 - 0.3 W

05 - 0.5 W

3 - 3 W

S - Specify



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