



Collimator

Features

Low Insertion Loss
High Return Loss

Applications

Fiber Optics Components
Fiber Sensors
Research
Free Space Communications

Specifications

Parameters	Unit	Values
Center Wavelength	nm	1310 or 1550
Operating Wavelength Range	nm	±30
Working Distance	mm	5 or Specify
Typ. Insertion Loss at 5mm WD	dB	0.2
Max. Insertion Loss at 5mm WD	dB	0.25
Min. Return Loss	dB	60
Max. PDL	dB	0.02
Max. Optical Power (CW)	mW	500
Max. Tensile Load	N	5
Fiber Type		SMF-28e Fiber
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*Above specifications are for device without connector

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

*The material must be RoHS compliant.

Package Dimensions

	Glass Tube	Metal Holder
OD (for 1.8mm Lens Dia)	∅2.78±0.01 <input type="checkbox"/>	∅3.2±0.02 <input type="checkbox"/>
L (for 1.8mm Lens Dia)	9.0±0.1 <input type="checkbox"/>	10±0.1 <input type="checkbox"/> 14±0.1 <input type="checkbox"/>
OD (for 1.0mm Lens Dia)	∅1.4±0.02 <input type="checkbox"/>	∅1.8±0.02 <input type="checkbox"/>
L (for 1.0mm Lens Dia)	9.0±0.1 <input type="checkbox"/>	10±0.1 <input type="checkbox"/>

The D will be different when the focal Length of the Lens is over 2.5mm

Unit : mm

Ordering Information

C-①-②-③-④-⑤-⑥⑥-⑦⑦-⑧-⑨-⑩-⑪⑪-⑫

①: Wavelength

1310 - 1310nm
1550 - 1550nm
3155 - 1310/1550nm
S - Specify

②: Pigtail Type

S - Single Fiber
D - Dual Fiber

③: Lens Diameter

1 - 1.8mm
2 - 1.0mm (for Single Fiber only)
S - Specify

④: Lens Type

G - Grin Lens
C - C Lens

⑤: Working Distance

5 - 5mm
S - Specify

⑥⑥: Connector Type

1B - FC/UPC
2B - FC/APC (Step)
3D - SC/UPC
4D - SC/APC (Step)

N - None

S - Specify

⑦⑦: Fiber Jacket

B - Bare Fiber
F - 900um White Loose Tube
S - Specify

⑧: Fiber Type

5 - SMF-28e Fiber
S - Specify

⑨: Fiber Orientation

O - O Type (for Single Fiber)
V - Vertical (for Dual Fiber)

⑩: Fiber Length

0.8 - 0.8m
S - Specify

⑪⑪: Package Type

88 - ∅1.4x9 Glass
51 - ∅2.78x9 Glass
89 - ∅1.8x10
40 - ∅3.2x10
34 - ∅3.2x14
S - Specify

⑫: Nominal Beam Diameter

0.36 - 0.36mm @1550nm
0.45 - 0.45mm @1550nm
0.32 - 0.32mm @1310nm
0.42 - 0.42mm @1310nm
S - Specify