

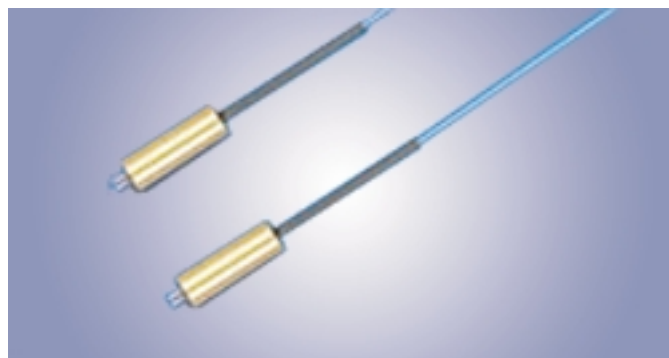


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# Fiber Optic Collimators

(Wavelength: 1064nm)

Fiber Optic Collimator is designed to focus the light exiting a fiber to a specific beam diameter or spot size. It can be used in various active and passive optical components including fiber optic sensors, Erbium-doped fiber amplifiers (EDFAs), dense wavelength division multiplexer (DWDM), circulators and isolators.



## Types

- Single-Mode Fiber Collimators
- Polarization Maintaining Fiber Collimators

## Applications

- EDFAs, DWDM
- Fiber Optic Sensors
- Photonic Switches
- Isolators
- Circulators
- Couplers
- Test & Measurement System

## Features

- Low Insertion Loss
- Low Polarization Dependence Loss
- High Extinction Ratio (for PM Collimators)
- Excellent Return Loss
- Wide Bandwidth
- Long Working Distance
- Environmentally Stable



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## SPECIFICATIONS

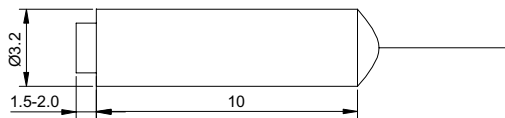
### Single Mode Fiber Collimators (1064nm)

Parameter	Values	Units
Center Wavelength	1064	nm
Operating Wavelength Range	+/- 20	nm
Working Distance	150	mm
Typ. Insertion Loss	0.45	dB
Max. Insertion Loss	0.55	dB
Min. Return Loss	55	dB
Handling Power	300	mW
Tensile Load	5	N
Fiber Type	HI 1060 Fiber	--
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

\*Above specifications are for device without connectors.

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

## PACKAGE DIMENSIONS



Metal Holder (Units in mm)

## ORDERING CODES

Single Mode Fiber Collimators:

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Fiber Number	Code
Single Fiber	S

Wavelength	Code
1064 nm	106
Specify	XX

Fiber Diameter	Code
250 $\mu$ m	25
900 $\mu$ m	90

Working Distance	Code
150 mm	150
Specify	X

Connector Type	Code
No Connector	NC
FC/UPC	FU
SC/UPC	SU
FC/APC	FA
SC/APC	SA
Others	XX

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