

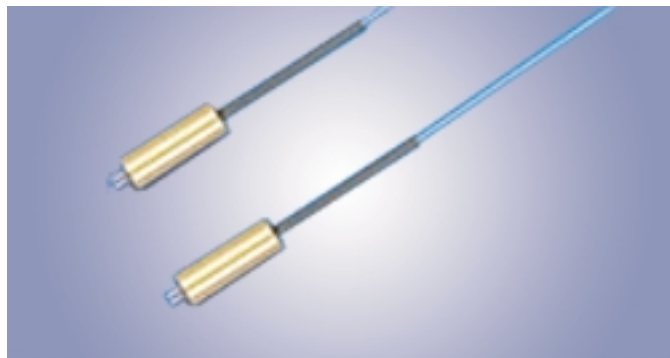


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Fiber Optic Collimators

(Wavelength: 1310nm & 1550nm)

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



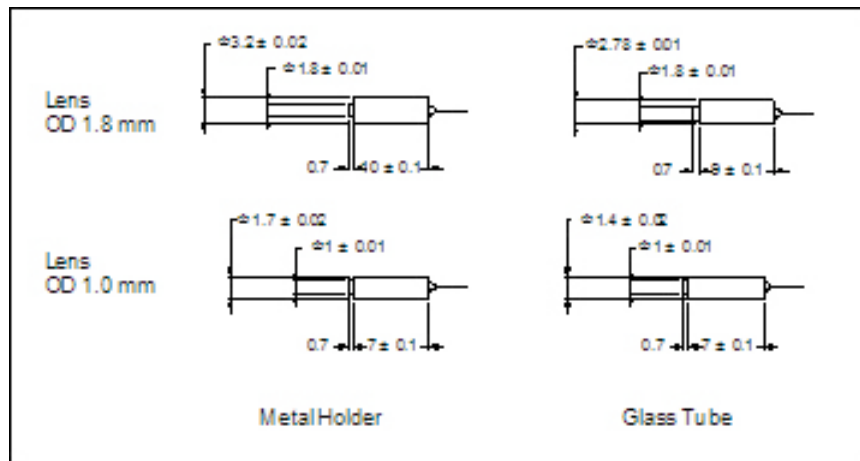
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SPECIFICATIONS

Single Mode Fiber Collimators (1310nm & 1550nm)

Parameter	Values	Units
Center Wavelength	1310, 1550 or specify	nm
Operating Wavelength Range	+/-30	nm
Working Distance	specify	mm
Typ. Insertion Loss	0.20	dB
Max. Insertion Loss	0.25	dB
Min. Return Loss	60	dB
Max. Tensile Load	5	N
Fiber Type	SMF-28 fiber or specify	--
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

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



ORDERING CODES

Single Mode Fiber Collimators:

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Fiber Number	Code
Single Fiber	S

Fiber Diameter	Code
250 μm	25
900 μm	90

Wavelength	Code
1310 nm	131
1550 nm	155
Specify	XX

Working Distance	Code
50 mm	50
Specify	X

Lens Type	Code
Grin lens	G
C lens	C

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

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Tel: +852 2480-6106 Fax: +852 2480-1621 Email: contact@optolinkcorp.com Website: www.optolinkcorp.com