

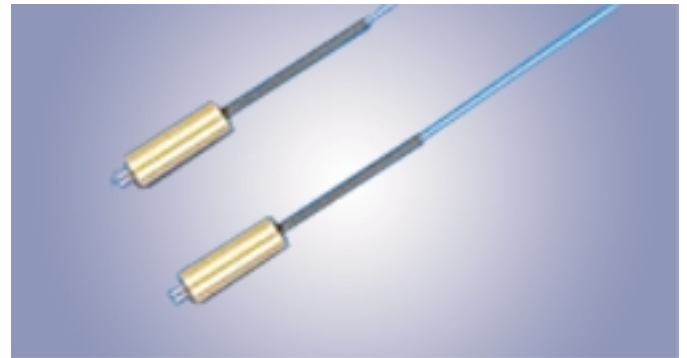


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# Fiber Optic Collimators

(Wavelength: 840nm & 1310nm)

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 (840nm & 1310nm)

Parameter	Values		Units
Center Wavelength	840	1310	nm
AR-Coating	600-1050	1050-1600	nm
Output Beam Diameter	2.53	2.18	mm
Min. Divergence Angle (=D/f)	0.45	0.84	mrad
Typ. Insertion Loss	0.10		dB
Max. Insertion Loss	0.15		dB
Lens NA	0.25		--
Clear Aperture	5.5		mm
Effective Focal Length	11		mm
Dimension	10		mm
Lens Diameter	7.2		mm
Adjustable Range	+/-1.6		mm
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

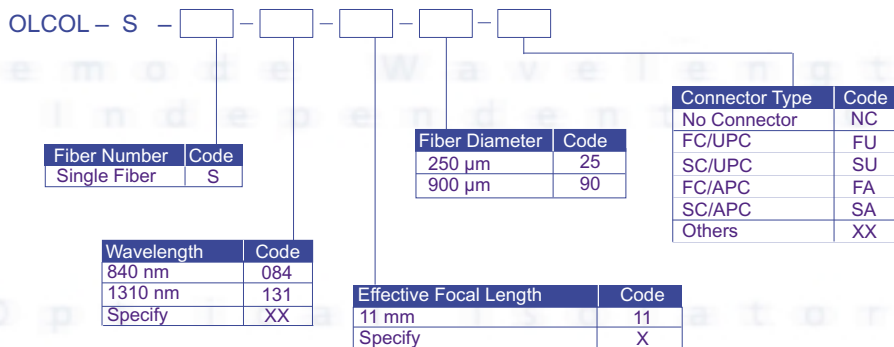
\*The output beam diameter and min. divergence angle are dependent on the type of input fiber.

\*D is the MFD of the input fiber, f is the effective focal length.

\*Data above is given when fiber type is coming SMF28e@1310nm and coming HI780@840nm.

## ORDERING CODES

Single Mode Fiber Collimators:



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