



# Fiber Optic Collimator, Fixed Focus, Spherical Lens, FC or SMA905



**FC-SL-X-NFY**

## OVERVIEW

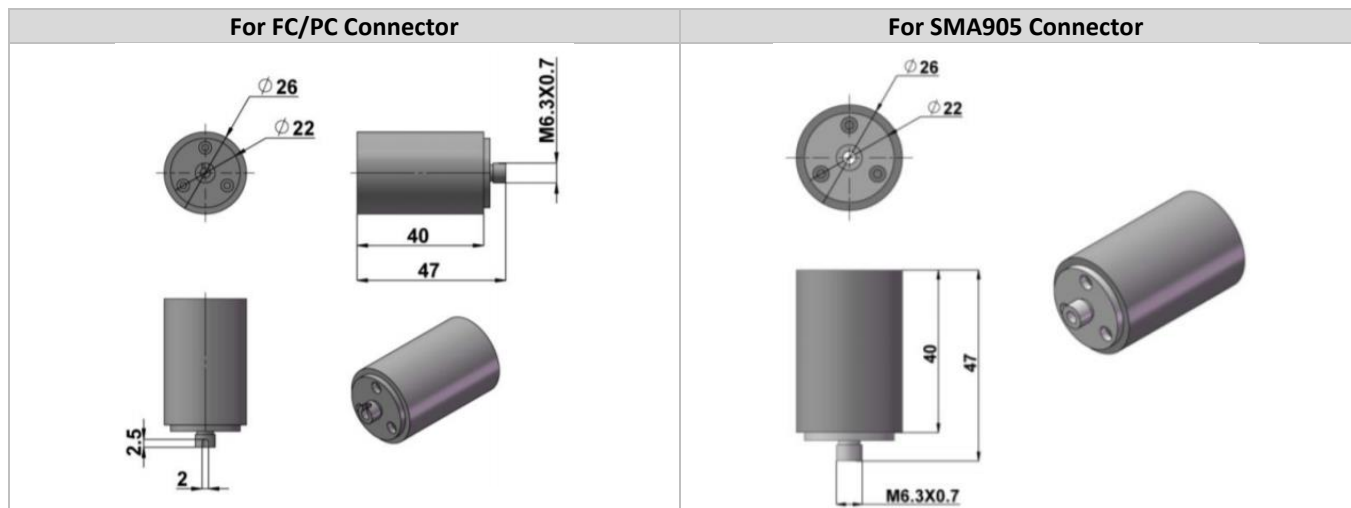
The FC-SL-X-NFY fiber collimator is designed to accept FC/PC or SMA905 type connectors and collimate light exiting a fiber to a desired beam diameter. High quality, AR-coated spherical lenses are used for low insertion loss and beam sizes only limited by diffraction. The distance between the spherical lens and the tip of the FC-terminated fiber can be adjusted to compensate for focal length changes, or to re-collimate the beam at the specific wavelength and distance of interest.

## SPECIFICATIONS

<b>Model Number</b>	<b>FC-SL-X-NFY</b>			
Inner lens	Spherical			
Connector	FC/PC ( <b>X=FC</b> ), SMA905 ( <b>X=SMA</b> )			
Focus	Fixed			
Dimensions	Φ26mm x 47mm			
AR coating transmission	>95%			
Fiber core diameter (um)	50 ( <b>Y=50</b> )	100 ( <b>Y=100</b> )	200 ( <b>Y=200</b> )	400 ( <b>Y=400</b> )
Beam diameter at aperture (mm)	5-7	5-7	5-7	6-8
Beam divergence, full angle (mrad)	6-8	7-9	10-12	17-19

Note: The parameters are different depending on the type or wavelength of laser.

## OUTLINE DIMENSIONS



**Note:**

- The specifications subject to change without notice.



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