

Optical Fiber Collimator

Optical fiber collimator (**FCO**) employs GRIN lens to collimate the divergent light beam from the single mode fiber to parallel light beam, or reversibly. The collimator incorporates angled fiber ferrule and GRIN lens, thus possesses high return loss. It is optical path epoxy free and environmentally stable. The quality system is certified to ISO9001.

Features of our FCO:

- Optical path epoxy free package
- High return loss
- Low insertion loss
- High stability and reliability

Applications for our FCO:

- Lab uses
- Optical fiber components coupling
- Optical fiber sensors
- Optical test and measurement



Figure. FCO

Specifications

Grade	A	B
Operation Wavelength	1310 nm, 1480 nm, 1550 nm	
Operation Distance	0 ~ 30 mm (or customized)	
Typical Insertion Loss	0.2dB	0.3dB

Max Insertion Loss	0.3dB	0.5dB
Return Loss	60dB	55dB
Pass Band	60nm	
Max Divergence Angle	0.25°	
Axial Divergence Angle	0.15°	
Optical Aperture	0.5mm	
Operating Temperature	-20°C ~ +60°C	

Note: test temperature $23 \pm 2^{\circ}\text{C}$

We have an unbeatable low price for this product.