

Single-Fiber Collimator

Description



The single-fiber collimator is formed by coupling and encapsulating a single-fiber pigtail and a lens. There are two commonly used packaging forms: glass tube and metal tube. The function of the fiber collimator is to transform the light output from the fiber into collimated light (parallel light), or to couple the external parallel light (approximately parallel) into the fiber for transmission. This product is widely used in optical devices or optical research and experimental fields. Our single fiber collimator has mature production technology, stable quality and complete specifications.

Feature

- Low insertion loss
- High return loss
- High stability and high reliability
- Glue-free process for light path
- Comply with GR-1209 and GR-1221 standards

Application

- Optical fiber communication system
- Wavelength division multiplexing equipment and modules
- WDM device
- Isolator
- Circulator
- Optical coupling

Specification

Items	Unit	Parameter
Working Wavelength	nm	850,1310,1550
Insertion Loss(Type)	dB	0.25
Return Loss(Type)	dB	55
Light Spot	um	300(or customization)
Maximum Optical Power	mW	300
Operating Temperature Range	°C	-5 ~ +75
Store Temperature Range	°C	-40 ~ +85
Package Size	mm	φ 1.3*8mm , φ 2.78*8mm(or customization)

- NOTE: 1、 The size and connector can be customized according to customer requirements;
2、 Unless otherwise specified, the general fiber type is Corning SMF-28 Ultra fiber.