

Multimode C-Lens Fiber Collimator



Description

The Multimode C-Lens Fiber Collimator is designed to convert the divergent output of multimode fiber into a high-quality collimated beam, or to efficiently couple free-space light back into fiber. Featuring a precision C-lens and fixed optical alignment, it delivers stable beam quality, low insertion loss, and excellent long-term reliability.

Features

- Low Insertion Loss
- Long Working Distance
- High Reliability
- Compact Size

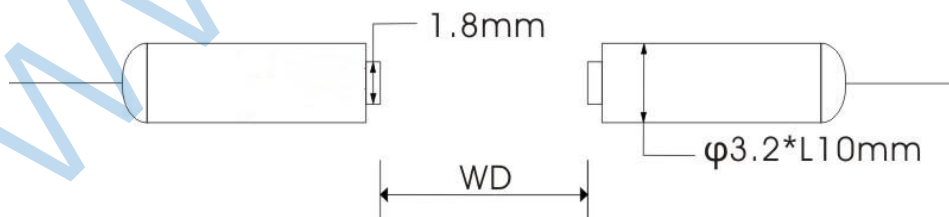
Applications

- Fiber Laser
- Fiber Amplifier
- Optical Communication Field
- LiDAR

Specifications

Parameter	Unit	Value	
Center Wavelength	nm	850	1310
Operating Wavelength Range	nm	±30	
Working Distance	mm	5/50/100	
Beam Diameter	mm	≤0.6	
Insertion Loss (Max.)	dB	0.4	
Return Loss (Min.)	dB	50	
Polarization Dependent Loss	dB	≤0.2	
Max Optical Power (CW)	W	0.5/1/5/10	
Fiber Type	-	OM1/OM2/OM3/OM4	
Tensile Load (Max.)	N	5	
Package Dimensions	mm	Φ3.2 x L10 (Gold-Plated Tube), Φ2.8 x L9 (Glass Tube)	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

Product Dimensions



Ordering Information

<input type="checkbox"/>	<input type="checkbox"/> nm	<input type="checkbox"/> mm	<input type="checkbox"/>	<input type="checkbox"/> W	<input type="checkbox"/>	<input type="checkbox"/> m	<input type="checkbox"/> μm	<input type="checkbox"/>
Usage Type	Center Wavelength	Working Distance	Tube Type	Max Optical Power (CW)	Fiber Type	Pigtail Length	Pigtail Diameter	Connector
Single	850nm	5mm	Glass Tube	0.5W	OM1	0.5m	250μm Bare Fiber	None
Matched Pair	1310nm	50mm	Gold-Plated Tube	1W	OM2	1.0m	900μm Loose Tube	LC/UPC
		100mm		5W				OM3
				10W	OM4	2.0m		SC/UPC
								SC/APC
								FC/UPC
								FC/APC
								ST/UPC
								ST/APC

WWW.FIRSOL.COM