

2000nm Fiber Collimator

FEATURES

- High Return Loss
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability
- Low Profile Packaging

APPLICATIONS

- Optical Isolator
- Optical Circulator
- Optical Components
- WDM Assembly
- Laboratory R&D



SPECIFICATIONS

Parameters	Unit	Single Fiber	Dual Fiber
Center Wavelength	nm	1900, 1930, 1950, 1970, 2000, 2030, 2050, 2070	
Bandwidth	nm	+/-20	
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50	
Insertion Loss (WD=5mm)	Typ.	0.35	0.45
	Max.	0.70	0.90
Return Loss	dB	≥50	
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens	
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
Fiber Length	m	1.0, 1.5 or customer specify	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	mm	φ3.2x ^L 10 for Metal Tube φ2.78x ^L 9 for Glass Tube	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 5. Package size may be different for different lens and optical power.

ORDERING INFORMATION (PN)

FCOL-NNNN	- C	NNN	- C	C	C	- (C)	C	NN	- CC/CCC
Wavelength	Type	WD	Package	Housing	Lens	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm	S= Single Fiber	005= 5mm	S= Standard	M= Metal	G=Grin Lens	V=SM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1950- 1950nm	D= Dual Fiber	010=10mm		G= Glass	C=C-lens	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000- 2000nm		020= 20mm			A=Aspherical Lens	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050- 2050nm		050= 50mm				Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector