

900-950nm Long Distance High Power Single Collimator

FEATURES

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

APPLICATIONS

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



SPECIFICATIONS

Parameters	Unit	Single Fiber				
Working Wavelength	nm	915, 930, 940, 950				
Bandwidth	nm	+/-10				
Working Distance (WD)	mm	50~200	201~500	501~800	801~1200	
Insertion Loss	Typ.	dB	0.5	0.6	0.7	0.9
	Max.	dB	0.8	0.9	1.2	1.4
Normnial Beam Diameter	mm	~0.52	~0.85	~1.10	~1.2	
Return Loss	dB	≥50				
Lens Type	-	Long Distance C-Lens or Aspherical-Lens				
Work Mode	-	Free Space Output or Space Doublet				
Fiber Type	-	HI780 Fiber, HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)				
Fiber Sleeve	-	250um Bare Fiber or 900um Loose Tube				
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	Φ3.2x12	Φ3.2x16	Φ3.8x16	Φ3.8x19	

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB higher, RL is 5dB lower.

3. 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

4. Package size may be different for different lens and optical power.

ORDERING INFORMATION (PN)

FCOL- NNN - C NNN -LM C C - (C) C NN - CC/CCC

Wavelength	Type	WD	Lens	Work Mode	Fiber Type	Fiber Sleeve	Fiber Length	Connector
915-915nm	L= Single Fiber	50- 50mm	C=C-lens	F=Free Space Output	H=HI1060 Fiber	B=Bare Fiber	05-0.5m	N= None
930-930nm		200- 200mm	A=Aspherical Lens	D=Space Doublet	E=10/125 SC Fiber	L=Loose Tube	10-1.0m	SC/PC= SC/PC Connector
940-940nm		600- 600mm			R=25/250 DC Fiber		15-1.5m	FC/APC=FC/APC Connector
950-950nm		1200-1200mm			Blank for HI780 Fiber		20-2.0m	LC/UPC=LC/UPC Connector