900-950nm Long Distance Single Collimator for Pulse Power

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	~1.1	~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. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60, 80, 100			
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20			
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. 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- NNN - C NNN -LM C C -H NN P NN - (C) C NN - CC/CCC

Wavelength	*Type*	*WD*	*Lens*	*Work Mode*	*Average Power*	*Peak Power*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector*
915=915nm	L= Single Fiber	50= 50mm	C=C-lens	F=Free Space Output	03=300mW	01=100W	H=HI1060 Fiber	B=Bare Fiber	05=0.5m	N= None
930=930nm		200= 200mm	A=Aspherical Lens	D=Space Doublet	1= 1W	1= 1kW	E=10/125 SC Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
940=940nm		600= 600mm			5= 5W	5= 5kW	R=25/250 DC Fiber		15=1.5m	FC/APC=FC/APC Connector
950=950nm		1200= 1200mm			10=10W	10=10kW	*Blank* for HI780 Fiber		20=2.0m	LC/UPC=LC/UPC Connector