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			
Center Wavelength		nm	1310, 1480, 1550, 1590, 1625, 1650			
Bandwidth		nm	+/-20			
Working Distance (WD)		mm	50~100	101~250	251~500	501~800
Insertion Loss	Typ.	dB	0.3	0.4	0.5	0.6
	Max.	dB	0.4	0.5	0.6	0.8
Normnial Beam Diameter		mm	~0.45	~0.75	~0.95	~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		-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)			
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, 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	0~70			
Storage Temperature		°C	-40~85			
Package Dimension		mm	Φ3.2xL11	Φ3.2xL14	Φ3.8xL16	Φ3.8xL19

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.

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 - 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*
1310=1310nm	L= Single Fiber	50= 50mm	C=C-lens	F=Free Space Output	03=300mW	01=100W	E=10/130 DC Fiber	B=Bare Fiber	05=0.5m	N= None
1550= 1550nm		200= 200mm	A=Aspherical Lens	D=Space Doublet	1= 1W	1= 1kW	T=12/130 DC Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
1590=1590nm		600= 600mm			5= 5W	5= 5kW	R=25/250 DC Fiber		15=1.5m	FC/APC=FC/APC Connector
1650=1650nm		800= 800mm			10=10W	10=10kW	*Blank* for SMF-28 Fiber		20=2.0m	LC/UPC=LC/UPC Connector