2000nm High Power Single 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
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.	dB	0.35
	Max.	dB	0.70
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)		W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension		mm	Φ3.2xL10 for Metal Tube Φ2.78xL9 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.

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 - S NNN - C C C -HP NN - (C) C NN - CC/CCC

Wavelength	*WD*	*Package*	*Housing*	*Lens*	*Optical Power*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
1900=1900nm	005= 5mm	S= Standard	M= Metal	G=Grin Lens	1= 1W	V=SM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1950= 1950nm	010=10mm		G= Glass	C=C-lens	2= 2W	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000= 2000nm	020= 20mm			A=Aspherical Lens	5= 5W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050= 2050nm	050= 50mm				10=10W	*Blank* for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector