2000nm High Power Single Fiber PM 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
Extinction Ratio	Typ.	dB	23
	Min.	dB	20
Fiber Type		-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC 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, 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)

FPCO- NNNN - SNNN - C C C -H NN - C C NN -CC/CCC

Wavelength	*WD*	*Package*	*Housing*	*Lens*	*Optical Power*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector*
1900=1900nm	005= 5mm	S= Standard	M= Metal	G=Grin Lens	1= 1W	2= PM1550 Fiber	B=Bare Fiber	05=0.5m	N= None
1950= 1950nm	010=10mm		G= Glass	C=C-lens	2= 2W	V= PM1950 Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
2000= 2000nm	020= 20mm			A=Aspherical Lens	5= 5W	O=10/130 PMDC Fiber		15=1.5m	FC/APC=FC/APC Connector
2050= 2050nm	050= 50mm				10=10W	R=25/250 PMDC Fiber		20=2.0m	LC/UPC=LC/UPC Connector