980-1150nm High Power Long Distance PM 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	975, 980, 990, 1000 1020, 1030, 1040, 1053, 1064, 1070, 1080, 1092, 1103, 1120, 1150			
Bandwidth		nm	+/-10			
Working Distance (WD)		mm	50~200	201~500	501~800	801~1200
Insertion Loss	Typ.	dB	0.3	0.5	0.7	0.9
	Max.	dB	0.6	0.8	1.0	1.4
Normnial Beam Diameter		mm	~0.52	~0.85	~1.1	~1.2
Return Loss		dB	≥50			
Extinction Ratio		dB	≥18			
Lens Type		-	Long Distance C-Lens or Aspherical-Lens			
Work Mode		-	Free Space Output or Space Doublet			
Fiber Type		-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC 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)		W	1, 2, 3, 5, 10, 15, 20			
Operating Temperature		°C	0~50			
Storage Temperature		°C	-40~85			
Package Dimension		mm	Φ3.2x11	Φ3.2x14	Φ3.8x16	Φ3.8x19

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

2. To add connectors, IL is 0.5dB 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 - C NNN - LM C C -HP NN - C C NN -CC/CCC

Wavelength	Type	WD	Lens	Work Mode	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector
980= 980nm	L= Single Fiber	50= 50mm	C=C-lens	F=Free Space Output	1= 1W	2=PM980Fiber	B=Bare Fiber	05=0.5m	N= None
1030=1030nm		200= 200mm	A=Aspherical Lens	D=Space Doublet	2= 2W	E=PM1060L Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
1064=1064nm		600= 600mm			5=5W	Q=20/130 PMDC Fiber		15=1.5m	FC/APC=FC/APC Connector
1120=1120nm		1200=1200mm			10=10W	R=25/250 PMDC Fiber		20=2.0m	LC/UPC=LC/UPC Connector