980~1160nm Single Fiber PM Collimator for Pulse Power

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
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	5, 10, 15, 20, 30, 50
Insertion Loss (WD=5mm)	Typ.	dB	0.35
	Max.	dB	0.55
Return Loss		dB	≥50
Lens Type		-	C-Lens, GRIN Lens or Aspherical-Lens
Extinction Ratio	Typ.	dB	23
	Min.	dB	20
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 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	Φ3.2xL10 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 0.5dB 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 -SNNN - C C C -H NN P NN - C C NN - CC/CCC

Wavelength	*WD*	*Package*	*Housing*	*Lens*	*Average Power*	*Peak Power*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector*
980= 980nm	005= 5mm	S= Standard	M= Metal	G=Grin Lens	03=300mW	01=100W	2=PM980Fiber	B=Bare Fiber	05=0.5m	N= None
1030= 1030nm	010=10mm		G= Glass	C=C-lens	1= 1W	1= 1kW	E=PM1060L Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
1064= 1064nm	020= 20mm			A=Aspherical Lens	5= 5W	5= 5kW	Q=20/130 PMDC Fiber		15=1.5m	FC/APC=FC/APC Connector
1120=1120nm	050= 50mm				10=10W	10=10kW	R=25/250 PMDC Fiber		20=2.0m	LC/UPC=LC/UPC Connector