

900-950nm Long Distance PM 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				
Working Wavelength	nm	915, 930, 940, 950				
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
Normal 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	-	PM850 Fiber, PM980 Fiber or PM1060L Fiber (E) 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. 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	0~50				
Storage Temperature	°C	-40~85				
Package Dimension	mm	Φ3.2x11	Φ3.2x14	Φ3.8x16	Φ3.8x19	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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
 - Package size may be different for different lens and optical power.

ORDERING INFORMATION (PN)

FPCO-NNN -C	NNN	- LMC	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
915-915nm	L- Single Fiber	50- 50mm	C=C-lens	F=Free Space Output	03-300mW	01-100W	2-PM850Fiber	B=Bare Fiber	05-0.5m	N= None
930-930nm		200- 200mm	A=Aspherical Lens	D=Space Doublet	1- 1W	1- 1kW	H-PM980 Fiber	L=Loose Tube	10-1.0m	SC/PC= SC/PC Connector
940-940nm		600- 600mm			5- 5W	5- 5kW	E-PM1060L Fiber		15-1.5m	FC/APC=FC/APC Connector
950-950nm		1120-1120nm			10-10W	10-10kW	R-25/250 PMDC Fiber		20-2.0m	LC/UPC=LC/UPC Connector