

780~850nm PM 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

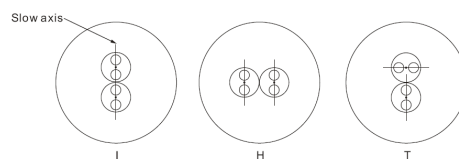


SPECIFICATIONS

Parameters	Unit	Single Fiber	Dual Fiber
Working Wavelength	nm	780, 800, 830, 850	
Working Distance (WD)	mm	5, 20, 50	
Insertion Loss (WD=5mm)	Typ.	0.45	0.50
	Max.	0.60	0.80
Return Loss	dB	≥50	
Lens Type	-	C-Lens or GRIN Lens	
Extinction Ratio	Typ.	23	
	Min.	20	
Fiber Type	-	PM850 Panda Fiber or PM780-HP Fiber	
Fiber Length	m	1.0, 1.5 or customer specify	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	1.8mm Lens	mm	(Φ)3.2x10 for Metal Tube (Φ)2.78x9 for Glass Tube

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

SLOW AXIS ORIENTATION



ORDERING INFORMATION (PN)

FPCO-NNN	-	C	NNN	-	C	C	C	-	C	C	NN	-	CC/CCC
Wavelength	Type	WD	Lens OD	Housing	Lens	Fiber Type	Fiber Sleeve	Fiber Length	Connector				
780-780nm	S- Single Fiber	005- 5mm	S- 1.8mm	M- Metal	G-Grin Lens	2-PM850 Fiber	B-Bare Fiber	05-0.5m	N- None				
800-800nm	I- Dual Fiber I Type	010-10mm		G- Glass	C-C-lens	7-PM780-HP Fiber	L-Loose Tube	10-1.0m	SC/PC- SC/PC Connector				
830-830nm	H- Dual Fiber H Type	020- 20mm						15-1.5m	FC/APC-FC/APC Connector				
850-850nm	T- Dual Fiber T Type	050- 50mm						20-2.0m	LC/UPC-LC/UPC Connector				