

750~890nm 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	750, 780, 793, 808, 830, 850
Bandwidth	nm	+/-10
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50
Insertion Loss (WD=5mm)	Typ.	0.45
	Max.	0.65
Return Loss	dB	≥50
Lens Type	-	C-Lens, GRIN Lens or Aspherical-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
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	φ3.2x ^L 10 for Metal Tube φ2.78x ^L 9 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. 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.
 5. Package size may be different for different lens and optical power.

ORDERING INFORMATION (PN)

FPCO-NNN	- S NNN	-C	C	C	-HPNN	- C	C	NN	-CC/CCC
Wavelength	WD	Package	Housing	Lens	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector
780= 780nm	005= 5mm	S= Standard	M= Metal	G=Grin Lens	1= 1W	2=PM850 Fiber	B=Bare Fiber	05=0.5m	N= None
800= 800nm	010=10mm		G= Glass	C=C-lens	2= 2W	7=PM780-HP Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
830= 830nm	020= 20mm			A=Aspherical Lens	5= 5W			15=1.5m	FC/APC=FC/APC Connector
850=850nm	050= 50mm				10=10W			20=2.0m	LC/UPC=LC/UPC Connector