

780~850nm 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	780, 800, 830, 850
Working Distance (WD)	mm	5, 20, 50
Insertion Loss (WD=5mm)	Typ.	0.45
	Max.	0.60
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
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	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. 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.

ORDERING INFORMATION (PN)

FPCO- NNNN	-	SNNN	-	C	C	C	-	H NN	P NN	-	N	C	NN	-	CC/CCC
Wavelength		WD		Lens OD	Housing	Lens		Average Power	Peak Power		Fiber Type	Fiber Sleeve	Fiber Length		Connector
780-780nm		005-5mm		S=1.8mm	M= Metal	G=Grin Lens		03-300mW	01-100W		2-PM850 Fiber	B=Bare Fiber	05-0.5m		N= None
800-800nm		010-10mm			G= Glass	C=C-lens		1-1W	1-1kW		7-PM780-HP Fiber	L=Loose Tube	10-1.0m		SC/PC= SC/PC Connector
830-830nm		020-20mm						5-5W	5-5kW				15-1.5m		FC/APC=FC/APC Connector
850-850nm		050-50mm						10-10W	10-10kW				20-2.0m		LC/UPC=LC/UPC Connector