

750~890nm 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
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. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
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	ϕ 3.2x ^L 10 for Metal Tube ϕ 2.78x ^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-	NNNN	-SNNN	-C	C	C	-H NN	PNN	-N	C	NN	-CC/CCC
<i>Wavelength</i>	<i>WD</i>	<i>Package</i>	<i>Housing</i>	<i>Lens</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector</i>	
780-780nm	005-5mm	S-Standard	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			A-Aspherical Lens	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	