

460~690nm 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

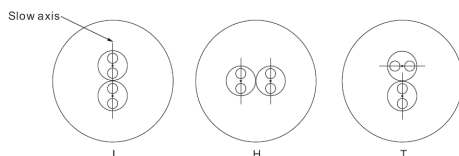


SPECIFICATIONS

Parameters	Unit	Single Fiber	Dual Fiber
Center Wavelength	nm	488, 532, 630, 650, 660, 690	
Bandwidth	nm	+/-10	
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50	
Insertion Loss (WD=5mm, For Pair)	Typ.	0.8	0.9
	Max.	1.4	1.6
Return Loss	dB	≥50	
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens	
Extinction Ratio	Typ.	20	
	Min.	16	
Fiber Type	-	Nufern PM460-HP Fiber for 488-532nm Nufern PM630-HP Fiber for 630-650nm	
Fiber Length	m	1.0, 1.5 or customer specify	
Maximum Optical Power (CW)	mW	100	
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 0.9dB 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.
 4. Package size may be different for different lens and optical power.

SLOW AXIS ORIENTATION



ORDERING INFORMATION (PN)

FPCO - NNN	-	C	NNN	-	C	C	C	-	N	C	NN	-	CC/CCC
Wavelength		Type	WD		Package	Housing	Lens		Fiber Type	Fiber Sleeve	Fiber Length		Connector
460-460nm		S= Single Fiber	005= 5mm		S= Standard	M= Metal	G=Grin Lens		2= PM Fiber	B=Bare Fiber	05=0.5m		N= None
532-532nm		I= Dual Fiber I Type	010=10mm			G= Glass	C=C-lens			L=Loose Tube	10=1.0m		SC/PC= SC/PC Connector
630- 630nm		H= Dual Fiber H Type	015= 15mm				A=Aspherical				15=1.5m		FC/APC=FC/APC Connector
650- 650nm		T= Dual Fiber T Type	020= 20mm								20=2.0m		LC/UPC=LC/UPC Connector