

## 750~890nm 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

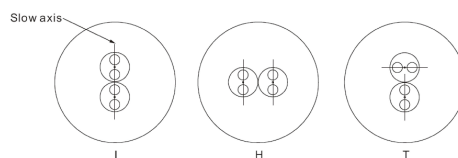


### SPECIFICATIONS

Parameters	Unit	Single Fiber	Dual Fiber
Center Wavelength	nm	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	0.50
	Max.	0.65	0.80
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	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	1.8mm Lens	mm	φ3.2x <sup>L</sup> 10 for Metal Tube φ2.78x <sup>L</sup> 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. 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)

Wavelength	Type	WD	Package	Housing	Lens	Fiber Type	Fiber Sleeve	Fiber Length	Connector
780-780nm	S- Single Fiber	005- 5mm	S- Standard	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		A=Aspherical Lens				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