

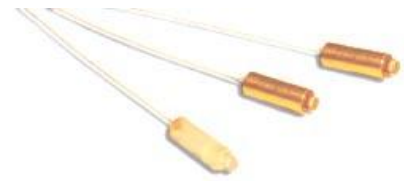
## 980-1150nm Long Distance Single PM Collimator

### FEATURES

- High Return Loss
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

- Optical Isolator
- Optical Circulator
- Optical Components
- WDM Assembly
- Laboratory R&D



### SPECIFICATIONS

Parameters	Unit	Single Fiber				
Working Wavelength	nm	975, 980, 990, 1000				
		1020, 1030, 1040, 1053, 1064, 1070, 1080, 1092, 1103, 1120, 1150				
Bandwidth	nm	+/-10				
Working Distance (WD)	mm	50~200	201~500	501~800	801~1200	
Insertion Loss	Typ.	dB	0.3	0.5	0.7	0.9
	Max.	dB	0.6	0.8	1.0	1.4
Normnial Beam Diameter	mm	~0.52	~0.85	~1.1	~1.2	
Return Loss	dB	≥50				
Extinction Ratio	dB	≥20				
Lens Type	-	Long Distance C-Lens or Aspherical-Lens				
Work Mode	-	Free Space Output or Space Doublet				
Fiber Type	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)				
Fiber Sleeve	-	250um Bare Fiber or 900um Loose Tube				
Fiber Length	m	1.0, 1.5 or customer specify				
Max. Optical Power (CW)	mW	300				
Operating Temperature	°C	0~50				
Storage Temperature	°C	-40~85				
Package Dimension	mm	Φ3.2x11	Φ3.2x14	Φ3.8x16	Φ3.8x19	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  - Package size may be different for different lens and optical power.

### ORDERING INFORMATION (PN)

Wavelength	Type	WD	Lens	Work Mode	Fiber Type	Fiber Sleeve	Fiber Length	Connector
980-980nm	L=Single Fiber	50-50mm	C=C-lens	F=Free Space Output	2=PM980Fiber	B=Bare Fiber	05=0.5m	N= None
1030-1030nm		200-200mm	A=Aspherical Lens	D=Space Doublet	E=PM1060L Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
1064-1064nm		600-600mm			Q=20/130 PMDC Fiber		15=1.5m	FC/APC=FC/APC Connector
1120-1120nm		1200-1200mm			R=25/250 PMDC Fiber		20=2.0m	LC/UFC=LC/UFC Connector