

980~1160nm PM Fiber Collimator

FEATURES

- High Return Loss
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability
- High Optical Power

APPLICATIONS

- Optical Isolator
- Optical Circulator
- WDM Assembly
- Laboratory R&D
- Laser Systems

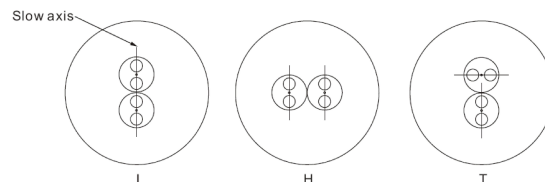


SPECIFICATIONS

Parameters	Unit	Single Fiber	Dual 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	5, 10, 15, 20, 30, 50	
Insertion Loss (WD=5mm)	Typ.	0.35	0.45
	Max.	0.55	0.65
Return Loss	dB	≥50	
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens	
Extinction Ratio	Typ.	23	
	Min.	20	
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 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	mm	φ3.2x ^L 10 for Metal Tube φ2.78x ^L 9 for Glass Tube	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 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
980-980nm	S= Single Fiber	005= 5mm	S= Standard	M= Metal	G=Grin Lens	2=PM980Fiber	B=Bare Fiber	05=0.5m	N= None
1030-1030nm	I= Dual Fiber I Type	010=10mm		G= Glass	C=C-lens	E=PM1060L Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
1064-1064nm	H= Dual Fiber H Type	020= 20mm			A=Aspherical Lens	Q=20/130 PMDC Fiber		15=1.5m	FC/APC=FC/APC Connector
1120-1120nm	T= Dual Fiber T Type	050= 50mm				R=25/250 PMDC Fiber		20=2.0m	LC/UPC=LC/UPC Connector

