



PM Fiber Collimator

PERFORMANCE SPECIFICATIONS

Parameter	Specifications
Operating Wavelength	1310±30nm, 1550±30nm or custom
Working Distance	5mm or custom
Insertion Loss	0.20 dB Typ. ≤0.25dB Max.
Return Loss	≥60dB
Extinction Ratio (ER)	20 dB Typ. ≥22dB Min.
Tensile Load	5N
Operating Temperature	- 5 to +75°C
Storage Temperature	- 40 to +85°C
Package Dimensions	Φ1.8(OD) Lens* (Standard): A=4x10mm gold plated SS tube B=3.2x10mm gold plated SS tube C=2.4x10mm SS tube (gold plated optional) D=2.78x10mm Glass tube or custom size
	ΦF1.0(OD) Lens* (Mini-size): E=2.8x10mm SS tube (gold plated optional) F=2.0x7mm Glass tube G=1.4x6mm gold plated SS tube H=1.2x7mm Glass tube

FEATURES

- Low Insertion loss
- Low Back Reflection
- High Environmental Stability
- High Extinction Ratio

APPLICATION

- PM Isolator
- Laser Beam Collimating
- PW WDM

Note:

- 1) The PM fiber and the connector key are aligned to the slow axis
- 2) The ER is for fiber ≤ 0.75m. Increase fiber length can decrease the ER.
- 3) For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower, and extinction ratio will be 2dB lower

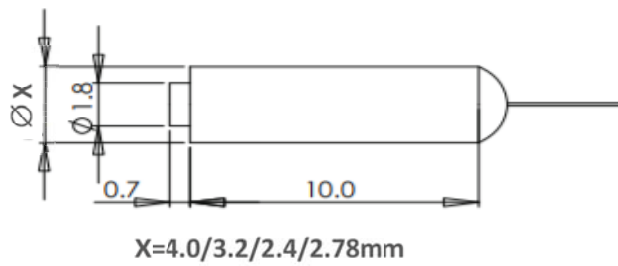
*The diameter indicates outer diameter (OD) of lens.

All values referenced are without connector.

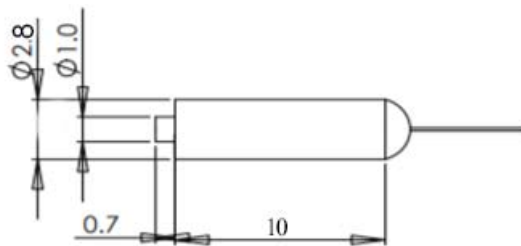
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MECHANICAL DIMENSIONS

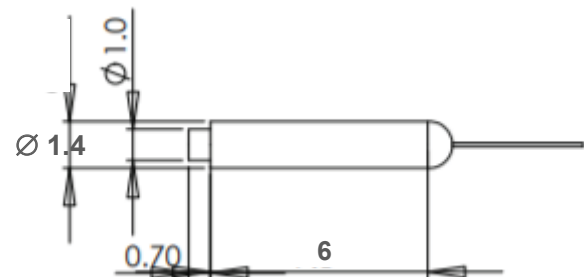
Package A/B/C/D



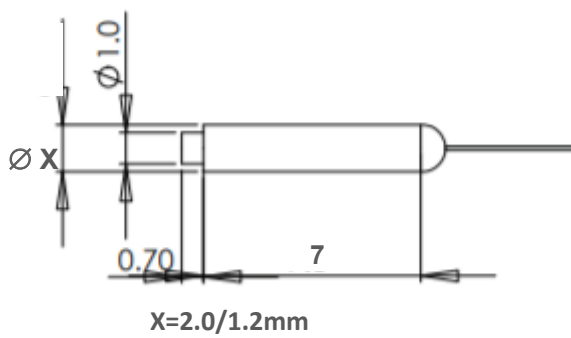
Package E



Package G



Package F/H



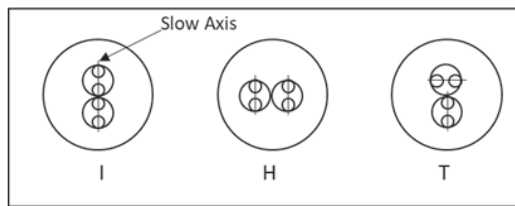
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PORT CONFIGURATION



AXIS ORIENTATION

Dual Fiber



ORDERING INFORMATION

PMCL										
Number of fibers	Lens Diameter	Operating Wavelength	Working Distance (WD)	Package	Fiber Type	Pigtail Style	Fiber Length	Connector	Axis Orientation	
1=One	1=1.8mm	31=1310nm	01=1mm	A=4.0x10mm	M=PM1310	1=Bare fiber	07=0.75m	0 = None	I=Slow axis in line	
2=Two	2=1.0mm	55=1550nm	02=2mm	B=3.2x10mm	N=PM1550	2=900um	10=1.0m	1 = FC/APC		
S=Custom	S=Custom	SS=Custom	.	C=2.4x10mm		loose tube	.	2 = FC/PC	H=Slow axis in parallel	
			.	D=2.78x10mm			.	3 = SC/APC		
			.	E=2.8x10mm			.	4 = SC/PC	T=90-Degree axis aligned	
			70=70mm	F=2.0x7mm			20=2.0m	5 = ST		
				G=1.4x6mm				6 = LC/UPC		
				H=1.2x7mm				7 = LC/APC		