



Single/Dual/Multi Single Mode Fiber Collimator

PERFORMANCE SPECIFICATIONS

Parameter	Specifications					
Operating Wavelength	1310±30nm, 1550±30nm, 1310/1550±30nm					
Number of Fiber	Single Fiber		Dual Fiber		Multi Fiber	
Grade	P	A	P	A	P	A
Transmission	0.17 Typ. ¹⁾	0.20 Typ. ¹⁾	0.20Typ. ¹⁾	0.30Typ. ¹⁾	0.30Typ. ¹⁾	0.40Typ. ¹⁾
Insertion Loss (dB)	≤0.20 Max.	≤0.25 Max.	≤0.28 Max.	≤0.40 Max.	≤0.40 Max.	≤0.50 Max.
Reflection Loss	-	-	≤ 0.28dB ²⁾	≤ 0.40dB ²⁾	≤ 0.40dB ²⁾	≤ 0.50dB ²⁾
Between Two Fibers (dB)	-	-	-	-	-	-
Return Loss	≥ 60dB	≥ 60dB	≥ 60dB	≥ 60dB	≥ 60dB	≥ 60dB
Beam Diameter	≤ 0.45 (Φ1.8mm Lens) ≤ 0.35 (Φ1.0mm Lens)				≤0.50mm	
Operating Temperature	- 20 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 Φ1.0(OD) Lens (Min-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				Φ1.8(OD) Lens (Standard): B=3.2x10 Gold plated SS tube C=2.4x10 SS tube (Gold plated optional) D=2.78x10 Glass tube or custom size	

Note:

- 1) At 10mm working distance and single wavelength. Dual wavelength IL will increase by 0.1dB.
 2) At < 1mm reflection working distance (RWD) and single wavelength with 100% reflection mirror.
 All values referenced are without connector.

FEATURES

- Low Insertion loss
- Low Back Reflection
- High Environmental Stability
- Low Insertion loss
- Wide Operating Wavelength
- Compact Size
- Excellent Environmental
- Mechanical Stability

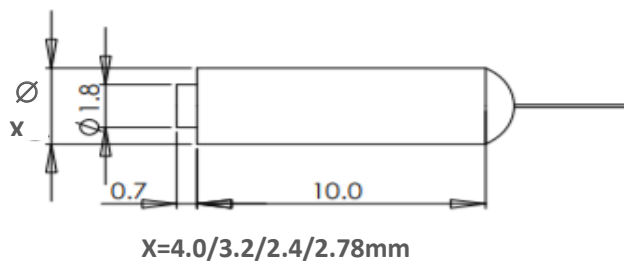
APPLICATION

- Fiberoptic Lab Use
- Laser Beam Collimating
- Fiber to Fiber Coupling
- Local Area Networks
- CATV Systems
- Subscriber Loop
- Fiberoptic Instruments

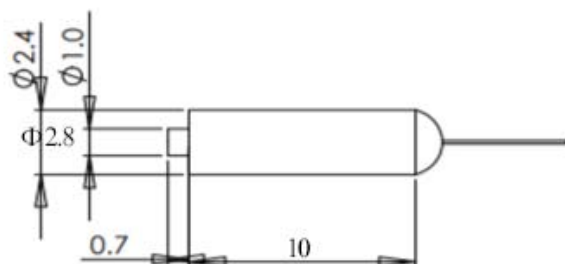
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MECHANICAL DIMENSIONS

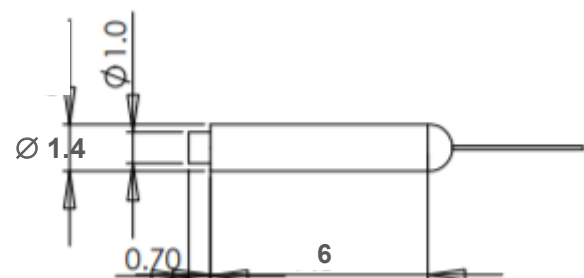
Package A/B/C/D



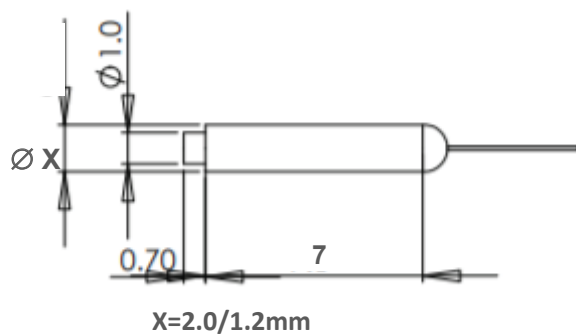
Package E



Package G



Package F/H



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PORT CONFIGURATION



ORDERING INFORMATION

CL	Number of fibers	Grade	Operating Wavelength	Direction	Working Distance (WD)	Package	Fiber Type*	Pigtail Style	Fiber Length	Connector
	1=One	P=P grade	31=1310nm	None=Single fiber	01=1mm	A=4.0x10mm	2=SMF-28 Ultra	1=Bare fiber	05=0.5m	0 = None
	2=Two	A=A grade	55=1550nm	T=Transmission	02=2mm	B=3.2x10mm	(G.657.A1)	2=900um	10=1.0m	1 = FC/APC
	3=Three		35=1310/1550nm	R=Reflection	.	C=2.4x10mm	3=ClearCurve	loose tube	.	2 = FC/PC
	4=Four				.	D=2.78x10mm	ZBL(G.657.B3)	4=2mm jacket	.	3 = SC/APC
	5=Custom				.	E=2.8x10mm		5=1.6mm jacket	.	4 = SC/PC
					70=70MM	F=2.0x7mm		6=900um tight buffer	50=5.0m	5 = ST
						G=1.4x6mm				6 = LC/UPC
						H=1.2x7mm				7 = LC/APC

*1=SMF-28(G.652) is available upon request.