

PM Isolator (1064nm)

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation
- High Stability and Reliability

Applications

- Communication Systems
- Test System
- Optical Fiber Sensor
- Research

Specifications

Parameter	Unit	Value			
Stage	-	Single		Dual	
Grade	-	P	A	P	A
Center Wavelength	nm	1064			
Operating Wavelength Range	nm	±5			
Typ. Peak Isolation	dB	40	38	55	52
Min. Isolation at 23℃	dB	32	28	45	42
Typ. Insertion Loss at 23℃	dB	1.5	1.6	2.4	2.6
Max. Insertion Loss at 23℃	dB	1.8	2.2	3.2	3.4
Min. Return Loss (input/output)	dB	50/50	50/50	50/50	50/50
Min. Extinction Ratio at 23℃	Both axis working	dB	20	18	20
	Fast axis working	dB	22	20	22
Max. Optical Power(CW)	mW	300			
Max. Tensile Load	N	5			
Fiber Type	-	PM Panda fiber			
Operating Temperature	℃	-5~+50			
Storage Temperature	℃	-40~+85			

For device with connector, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.

The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMIS-1111-234-555-67-8-9A

1111 - Wavelength:	1064=1064nm
2 - Grade:	P=P grade, A=A grade
3 - Stage:	S=Single-core stage, D=Dual-core stage
4 - Working Axis:	B=Both axis working, F=Fast axis blocked
555 - Fiber Type:	003=PM980, 014=PM1060L, 018=PLMA-GDF-10/125-M, SSS=Specify
6 - Package Dimension:	0=φ5.5x35mm
7 - Pigtail Type:	0=bare fiber, 1=900μm loose tube
8 - Fiber Length:	0.75=0.75m, 1.0=1m, S=Specify
9 - Connector Type for Input:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
A - Connector Type for Output:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify