

1550nm PM Optical Isolator

Features

Low Insertion Loss
High Return Loss
High Extinction Ratio
High Isolation
High Stability & Reliability

Applications

Communication Systems
Test Instrument
Fiber Sensor
Research

Specifications

Parameter	Unit	Value			
Stage	-	Single		Dual	
Grade	-	P	A	P	A
Center Wavelength	nm	1550			
Operating Wavelength Range	nm	±20			
Typ. Peak Isolation at 23℃	dB	42	40	58	55
Min. Isolation at 23℃	dB	28	26	48	45
Typ. Insertion Loss at 23℃	dB	0.4	0.5	0.5	0.6
Max. Insertion Loss at 23℃	dB	0.55	0.65	0.65	0.8
Min. Extinction Ratio at 23℃ (only for Both Axis Working)	dB	20	18	20	18
Min. Extinction Ratio at 23℃ (only for Fast Axis Blocked)	dB	25	23	25	23
Min. Return Loss (input/output)	dB	50/50			
Max. Optical Power(CW)	mW	500			
Max. Tensile Load	N	5			
Operating Temperature	℃	-5~+70			
Storage Temperature	℃	-40~+85			

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

The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMIS-1111-234-555-678-9A

1111	-Center Wavelength:	1550=1550nm.....
2	-Grade:	P=P grade, A=A grade
3	-Stage:	S=Single-core stage, D=Dual-core stage
4	-Axis Alignment:	F=Slow axis working, Fast axis blocked, B=Both of axis working
555	-Fiber Type:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
6	-Package Dimension:	0=φ5.5x35mm, S=Specified
7	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
8	-Fiber Length:	0=0.8m, 1=1m
9	-Connector Type for Input:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None
A	-Connector Type for Output:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None