

1064nm Polarization Maintaining Isolator

Features

Applications

Low Insertion Loss High Isolation & High Return Loss High Extinction Ratio Low Cost & High Reliability	EDFA & Fiber Optical Instrument Fiber Lasers Sensor Systems Lab Research
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Specifications

Parameters	Unit	Values			
		Single		Dual	
Stage	-				
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°C	dB	35	32	45	42
Typ. Insertion Loss at 23°C	dB	1.5	1.6	2.4	2.6
Max. Insertion Loss at 23°C	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(only for B type)	dB	20	18	20	18
Min. Extinction Ratio(only for F type)	dB	22	20	22	20
Max. Optical Power(CW)	mW	300			
Max. Tensile Load	N	5			
Fiber Type		PM980 Panda Fiber			
Operating Temperature	°C	-5~+50			
Storage Temperature	°C	-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 axi

Ordering Information

PMIS	Wavelength	Stage	Grade	Axis Alignment	Pigtail Type	Fiber Length
	1=1064nm S=Specify	1=Single Stage 2=Dual Stage	1=P Grade 2=A Grade	F=Fast Axis Blocked B=Both Axis Working	1=250um bare fiber Loose 2=900um Tube S=Specify	1=1m S=Specify