Polarization Maintaining Isolator

Features	
Low Insertion Loss High Extinction Ratio & High Isolation High stability and reliability	
Application	
Fiber Optical Instrument Fiber Laser	

Specifications

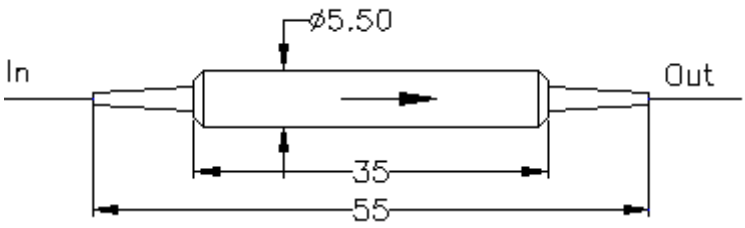
Type / Parameter		Single Grade	
Operating wavelength (nm)		1064 nM or 1030 nM	
Peak isolation (dB)		42	38
Isolation (at 23℃) (dB)		≥30	≥25
Typ. Insertion Loss(dB)		1.5	3.0
Insertion Loss(dB)		≤1.8	≤3.5
Extinction Ratio (dB)	Type B (Both of axis working)	≥20	≥18
	Type F (Fast axis blocked)	≥23	≥23
Return loss (Input/Output) (dB)		≥55/50	
Power handling (mW, CW)		≤300mW	≤100
Fiber Type		PM Panda fiber	
Operating temperature (℃)		-5~+50	
Storage temperature (℃)		-40 ~ +80	
Dimensions (mm)		φ5.5×L35	

*Above specifications are for devices without the connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis. And for F type, fast axis is blocked.

Package Dimensions



Ordering Information:

PMIS	Type	Wavelength	Axis Alignment	Pigtail Type	Fiber Type	Length	Connector	Power
	S= Single stage	1064 1030	F=Fast Axis Blocked B=Both Axis Working	0=250um bare fiber 1=900um loose tube	5=Panda fiber	0.8= 0.8m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other	C=Continuous Wave P= Pulse Application