

# Polarization Maintaining Isolator (PMISO)

## Product Features

- High Extinction Ratio
- Low Insertion Loss
- High Return Loss

## Product Applications

- Fiber Optic Lasers
- Test Instrumentations
- Fiber Sensors
- Research

## Specifications

Parameter	Unit	Value	
Type		Single Stage	Dual stage
Center Wavelength	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	±20	
Typ. Peak Isolation	dB	40	55
Min. Isolation at 23°C	dB	26	45
Typ. Insertion Loss at 23°C	dB	≤0.5	≤0.6
Max. Insertion Loss at 23°C	dB	≤0.8	
Min. Return loss (input/output)	dB	≥50/50	
Min. Extinction Ratio(only for B tyep)	dB	18	
Min. Extinction Ratio(only for F type)	dB	23	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
package dimensions	mm	Φ5.5*35	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

\* Above specifications are for devices without 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

## Ordering Information

PMI	Wavelength	stage	Axis Alignment	Pigtail Type	Fiber Length	Connector
1x1	1310nm 1480nm 1550nm Specify	Single stage Dual stage	Fast Axis Blocked Both Axis working	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify