

# Polarization Maintaining Isolator (PMISO)

## Description

The Polarization Maintaining Isolator is a micro-optic device built with an input and an output PM fiber. It is characterized with low insertion loss, high extinction ratio, high isolation, high return loss and excellent environmental stability and reliability. It is widely used in EDFA, Raman amplifier, fiber lasers, optical fiber sensors and instrumentation.

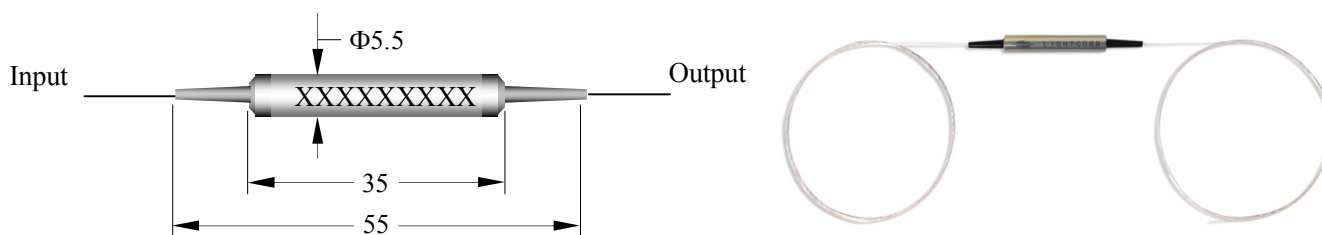
## Key Features

- Low insertion loss
- High extinction ratio
- High isolation
- Excellent stability and reliability

## Applications

- Fiber amplifier
- Fiber lasers
- Fiber Sensors
- Instrumentation

## Mechanical Dimension



## Specifications

Parameter	Type	Unit	PM Isolator (Single stage)
Center wavelength		nm	2000
Operating bandwidth		nm	±50
Insertion loss		dB	≤1.0
Extinction ratio		dB	≥18(Type B), ≥20(Type F)
Isolation @23°C		dB	≥20
Return loss (Input/Output)		dB	≥50/50
Handling power		mW	≤300
Fiber type		/	SM15-PS-U25D (Fiber code: 623)
Operating temperature		°C	-5~+70
Storage temperature		°C	-40~+85
Dimensions		mm	Φ5.5×L35

\* Type B: Both axis working, Type F: Fast axis blocked.

\* IL is 0.3dB higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

## Ordering Information

PMISO-X-X-XXXX-X-X-XX/XXX-XX\*XX

