

# 638nm Polarization Maintaining Isolator (638nm PMISO)

## Description

The 638nm Polarization Maintaining Isolator is a passive device that guides lights at 638nm in only one direction while minimizing unwanted feedback. It is characterized with low insertion loss, high extinction ratio, high isolation, and excellent environmental stability and reliability.

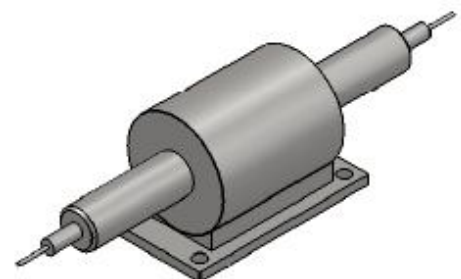
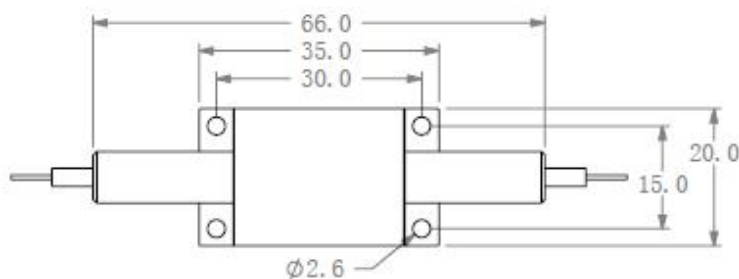
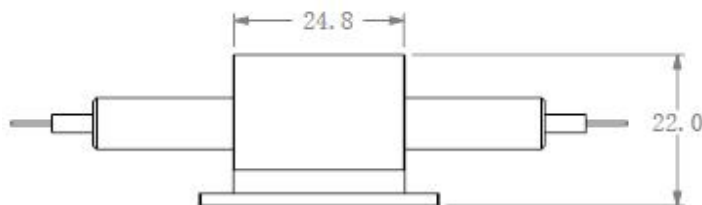
## Key Features

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

## Applications

- Fiber Sensors
- Instrumentation

## Mechanical Dimension



## Specifications

Parameter	Type	Unit	Value
Center wavelength		nm	638
Operating bandwidth		nm	±10
Typ. Insertion loss @23°C		dB	≤1.3
Max. Insertion loss @23°C		dB	≤1.6
Extinction ratio		dB	≥20
Min. Isolation λc, 23°C, all polarization states		dB	≥23
Return loss		dB	≥45
Handling power		mW	≤300
Fiber type		/	PM Panda Fiber
Operating temperature		°C	+23 ~ +45
Storage temperature		°C	-20 ~ +70
Dimensions		mm	∅ 20 x L66

\* IL is 1.5dB higher, RL is 5dB lower and ER is 3dB lower for each connector added. The default connector key is aligned to slow axis.

## Ordering Information

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

