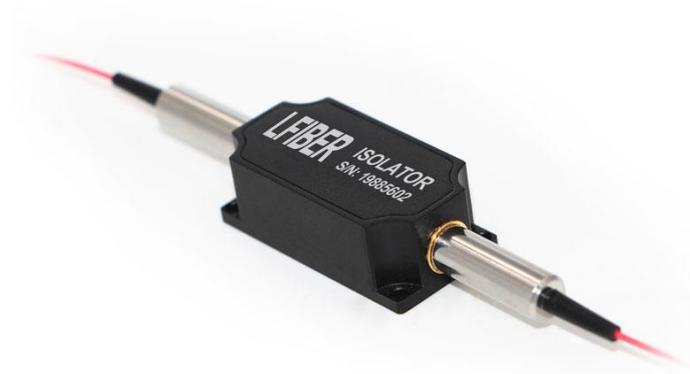


# Polarization-Maintaining High-Power Isolator (1064 nm, up to 2W)



## FEATURES

- Polarization Maintaining
- Low Insertion Loss
- High Isolation and Return Loss
- High Reliability and Stability

## APPLICATIONS

- Fiber Amplifier
- Fiber Laser
- Testing Instruments
- Mopa Fiber Laser

## Specifications of Polarization-Maintaining High-Power Isolator (1064 nm)

Center Wavelength (nm)	1064
Operating Wavelength Range (nm)	±5
Typ. Peak Isolation at 23°C (dB)	35
Min. Isolation at 23°C (dB)	28
Max. Insertion Loss at 23°C (dB)	1.7
Max. Insertion Loss at 23°C and Input Power 300 mW (dB)	2.0
Max. Insertion Loss at 23°C and Input Power 1 W (dB)	2.5
Max. Insertion Loss at 23°C and Input Power 2 W (dB)	3.0
Min. Extinction Ratio at 23°C (dB)	22
Min. Return Loss (Input /Output) (dB)	45
Max. Average Optical Power (W)	2
Max. Peak Power for ns Pulse (kW)	10
Max. Tensile Load (N)	5
Operating Temperature (°C)	+10 to +50
Storage Temperature (°C)	0 to +60

### Note:

1. The polarization-maintaining high-power isolator (1064 nm) is customizable, and the above specifications are subject to change without notice.
2. For device with connectors, IL is 0.3dB higher, RL is 5.0dB lower, ER is 2.0dB lower.
3. Unless otherwise specified, the slow axis of the fiber is aligned with the key of the PM fiber connector.
4. Slow axis working and fast axis blocked as standard, while operating on both the slow and fast axis available on request
5. Bare fiber should not support the weight of the connector. So that if you need any connectors, it's better to choose the 900μm loose tube jacket instead of the 250μm bare fiber.
6. For product customization, please contact our sales department for availability.

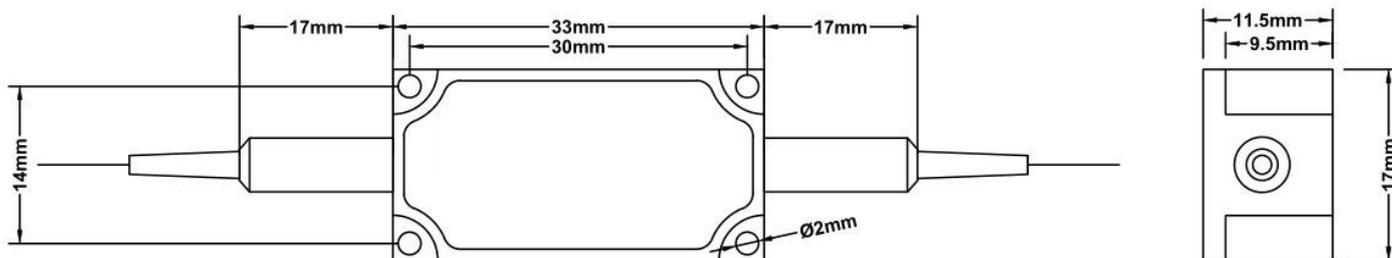


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## Package Dimensions



### Ordering Information for Polarization-Maintaining High-Power Isolator (1064 nm)

Wavelength	Axis Alignment	Fiber Type	Package Dimension	Pigtail Type	Fiber Length	Connector	Average Power	Peak Power
1064nm	Slow axis working and fast axis blocked	PM1550	33*17*11.5 mm	250 $\mu$ m bare fiber	0.5 m	None	1W	10kW
	Fast axis working and slow axis blocked	PM1310	Specified	900 $\mu$ m loose tube	0.8 m	FC/UPC	2W	20kW
	Both axis working	PM980			1.0 m	FC/APC		
					Others	SC/UPC		
						SC/APC		
						LC/UPC		
						LC/APC		
						Others		

#### About Axis Alignment of the Polarization-Maintaining (PM) High-Power Isolator 1064 nm

"Slow axis working and fast axis blocked" means that light on just the slow axis is transmitted and the fast axis light is blocked in the forward direction; Both the slow and fast axis light are blocked in the backward direction.

"Both axis working" means that both the slow and fast axis light are transmitted in the forward direction, both the slow and fast axis light are blocked in the backward direction.

