

# 1064nm Fiber Isolator

## Polarization Insensitive: AP-ISO-1064PI

An isolator is typically used to block light traveling in the backward direction, thereby protect a fiber pigtailed laser source from back reflections and prevent instabilities and damages to the laser source.

### Features:

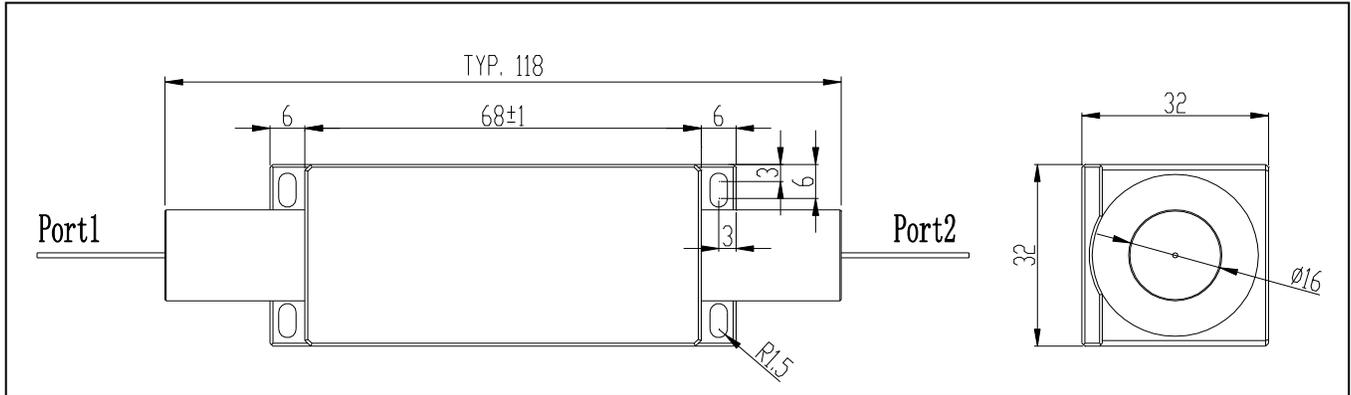
- Low insertion loss
- High isolation
- High extinction ratio
- Excellent stability and reliability



### Product Characteristics:

Parameters	Unit	Specification
Center Wavelength	nm	1064
Operating Wavelength Range	nm	+/-10
Max. Optical Power (CW)		1W, 5W, 20W
Typical Peak Isolation (single stage)	dB	32-40
Min. Isolation at 23°C	dB	26
Typical Insertion Loss at 23°C	dB	0.6
Max. Insertion Loss at -5°C to 70°C	dB	1.0
Min. Return Loss (Input/Output)	dB	50/50
Max. PDL at 23°C	dB	0.15
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75
Package Dimensions	mm	32 x 32 x 118
Max. Tensile Load	N	5
Fiber Type		HI 1060 Fiber, 900um Loose Tube Jacket
Fiber Length	m	1.0
Fiber Termination		None (no connectors)

## Mechanical Outline:



(Package dimensions in mm)

## Ordering Information:

### 1064nm Polarization Insensitive Fiber Isolator

AP-ISO-1064PI	-	1	-	xx	-	L	-	1	-	N
		Stage:		Max. Power		Fiber pigtail:		Fiber length:		Connector:
		1 = single stage		01 = 1 W		L = 900 µm loose tube		1 = 1 m		N = no connector
				05 = 5 W						
				20 = 20 W						