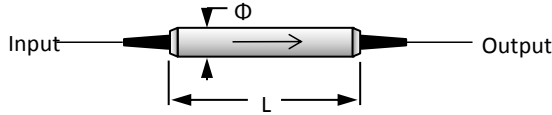


## Polarization Dependent Fiber Isolator 1064nm

The 1064 nm Polarization dependent (Polarization sensitive) Optical Fiber Isolator is an in-line pigtailed micro-optic component allows light to be transmitted only in the forward direction while blocking the backward transmission. It features high isolation, high PDL and low insertion loss. These Polarization dependent isolators are built by non-PM fibers.



### Features

High Isolation  
Low Insertion Loss  
High Reliability & Stability

### Applications

Fiber Laser  
Fiber Amplifier  
Lab & Research

### Performance Specification

Parameter	Value		Unit
	Single Stage	Dual Stage	
Stage	Single Stage	Dual Stage	
Center Wavelength	1064 or customized		nm
Bandwidth	±5		nm
Typ. Insertion Loss at 23°C	1.4	2.3	dB
Max. Insertion Loss at -5~+50°C	1.8	3.2	dB
Typ. Peak Isolation	40	55	dB
Min. Isolation at 23°C	30	45	dB
Min. PDL at 23°C	23	23	dB
Min. Return Loss	50		dB
Max. Optical Power (CW)	300 (high power available upon request)		mW
Max. Tensile Load	5		N
Fiber Type	Corning HI 1060		
Operating Temperature	-5 to +50		°C
Storage Temperature	-20 to +85		°C
Package Dimension	Φ5.5×L35		mm

### Note

\* Above specifications are for device without connector

\* For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

### Ordering Information

#### PDISO-AAAA-B-C-DD-EE

AAAA	B	C	DD	EE
Wavelength	Stage	Fiber Jacket	Fiber Length	Connector
1064 - 1064nm	S - Single Stage	B - 250um Bare Tube	05 - 0.5m	NE - None
SSSS - Specify	D - Dual Stage	L - 900um Loose Tube	08 - 0.8m	FA - FC/APC
			10 - 1.0m	FP - FC/PC
			15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify