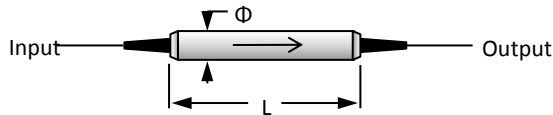


Polarization Independent Optical Fiber Isolator 2000nm

The 2000nm (2 micron, 2μm) Polarization Independent (Polarization Insensitive) Optical Fiber Isolator is an in-line pigtailed micro-optic component that allows light to be transmitted only in the forward direction while blocking the backward transmission. It features high isolation and low insertion loss. The optical isolators are commonly used to protect lasers or amplifiers against back-reflected light. It's ideal for eye safe 2μm fiber laser systems.



Features

- High Isolation
- Low Insertion Loss
- High Reliability & Stability

Applications

- Fiber Amplifier
- Fiber Laser & Sensor
- Lab & Research

Performance Specification

Parameter	Value		Unit
	Single Stage	Dual Stage	
Stage	Single Stage	Dual Stage	
Center Wavelength	2000 or customized		nm
Bandwidth	±50	±50	nm
Typ. Insertion Loss at 23°C	1.0	1.2	dB
Max. Insertion Loss at 23°C	1.2	1.4	dB
Min. Isolation at 23°C	20	35	dB
Max. PMD	0.20	0.05	ps
Max. PDL at 23°C	0.15	0.20	dB
Min. Return Loss	50		dB
Max. Optical Power (CW)	300 (higher power available upon request)		mW
Max. Tensile Load	5		N
Fiber Type	Corning SMF-28e		
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 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

PIISO-AAAA-B-C-DD-EE

AAAA	B	C	DD	EE
Wavelength	Stage	Fiber Jacket	Fiber Length	Connector
2000 - 2000nm	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