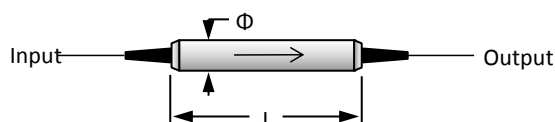


Polarization Independent Optical Isolator 1610nm

The 1610nm Polarization Independent (Polarization Insensitive) 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 and low insertion loss. The optical isolators are commonly used to protect lasers or amplifiers against back-reflected light. High power available upon request.



Features

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

Applications

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

Performance Specification

Parameter	Value		Unit
Stage	Single Stage	Dual Stage	
Center Wavelength (CWL)	1610 or customized		nm
Bandwidth	±15		nm
Typ. Insertion Loss at 23°C	0.35	0.50	dB
Max. Insertion Loss at CWL, -5~50°C	0.60	0.80	dB
Typ. Peak Isolation	40	50	dB
Min. Isolation at CWL, 23°C	28	42	dB
Max. PMD	0.25	0.05	ps
Max. PDL at 23°C	0.15		dB
Min. Return Loss	55		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 +50		°C
Storage Temperature	-20 to +75		°C
Package Dimension	Φ5.5×L35		mm

Note

* Specifications may change without notice. For pulse applications, pls discuss with OF-LINK.

Ordering Information

PIISO-AAAA-B-C-DD-EE-FF

AAAA	B	C	DD	EE
Wavelength	Stage	Fiber Jacket	Fiber Length	Connector
1610 - 1610nm	S - Single Stage	B - 250um Bare Fiber	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