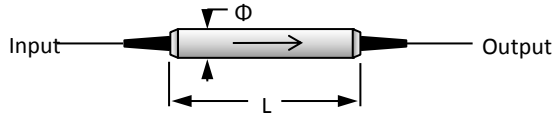


Polarization Independent Fiber Isolator 1550nm

The 1550nm 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.



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	1310, 1480, 1550 or customized		nm
Bandwidth	±15	±30	nm
Typ. Insertion Loss at 23°C	0.35	0.4	dB
Max. Insertion Loss at 23°C	0.55	0.6	dB
Typ. Peak Isolation	42	58	dB
Min. Isolation at 23°C	28	46	dB
Max. PMD	0.2 (lower available on request)		ps
Max. PDL at 23°C	0.1		dB
Min. Return Loss	55		dB
Max. Optical Power (CW)	500		mW
Max. Tensile Load	5		N
Fiber Type	Corning SMF-28e		
Operating Temperature	-5 to +70		°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

PIISO-AAAA-B-C-DD-EE

AAAA	B	C	DD	EE
Wavelength	Stage	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	S - Single Stage	B - 250um Bare Tube	05 - 0.5m	NE - None
1480 - 1480nm	D - Dual Stage		08 - 0.8m	FA - FC/APC
1550 - 1550nm		L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
SSSS - Specify			15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify