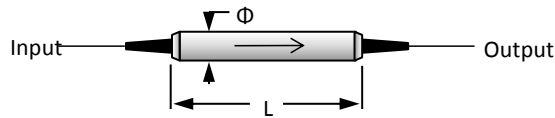


Optical Isolator 1430, 1440, 1450, 1460nm

The 1430, 1440, 1450, 1460nm 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 Power available

Applications

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

Performance Specification

Parameter	Value		Unit
Stage	Single Stage	Dual Stage	
Center Wavelength	1430, 1440, 1450 or 1460 or customized		nm
Bandwidth	±10	±20	nm
Typ. Insertion Loss at 23°C	0.5	0.5	dB
Max. Insertion Loss at 23°C	0.7	0.8	dB
Typ. Peak Isolation	30	40	dB
Min. Isolation at 23°C	23	32	dB
Max. PMD	0.2 (lower available on request)	0.1	ps
Max. PDL at 23°C	0.1		dB
Min. Return Loss	55		dB
Max. Optical Power (CW)	500 (Higher power up to 10W available)		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
1430 - 1430nm	S - Single Stage	B - 250um Bare Tube	05 - 0.5m	NE - None
1440 - 1440nm	D - Dual Stage		08 - 0.8m	FA - FC/APC
1450 - 1450nm		L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
1460 - 1460nm			15 - 1.5m	SA - SC/APC
SSSS - Specify			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify