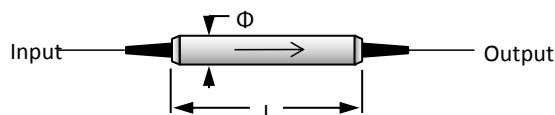


Polarization Independent Fiber Isolator C+L Band

The C+L Band 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
Operating Wavelength	1530-1610	nm
Typ. Insertion Loss at 23°C	0.5	dB
Max. Insertion Loss at 23°C	0.8	dB
Typ. Peak Isolation	58	dB
Min. Isolation at 23°C	35	dB
Max. PMD	0.1	ps
Max. PDL at 23°C	0.1	dB
Min. Return Loss	50	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-AA-B-C-DD-EE

AA	B	C	DD	EE
Wavelength	Stage	Fiber Jacket	Fiber Length	Connector
CL - C+L Band	D - Dual Stage	B - 250um Bare Tube	05 - 0.5m	NE - None
SSS - Specify		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