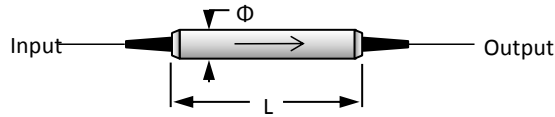


Polarization Dependent Fiber Isolator 1310 1480 1550nm

The 1310 1480 1550 nm Polarization dependent (Polarization sensitive) 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, high PDL and low insertion loss. These Polarization dependent isolators are built by non-PM fibers.



Features

High Isolation
Low Insertion Loss
High Reliability & Stability

Applications

Fiber Laser
Fiber Amplifier
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	±20	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
Min. PDL at 23°C	23	23	dB
Min. Return Loss	55		dB
Max. Optical Power (CW)	500 (high power available upon request)		mW
Max. Tensile Load	5		N
Fiber Type	Corning SMF-28e		
Operating Temperature	0 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

PDISO-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
1625 - 1625nm			15 - 1.5m	SA - SC/APC
1650 - 1650nm			SS - Specify	SP - SC/PC
S555 - Specify				LA - LC/APC
				LP - LC/PC
				SS - Specify