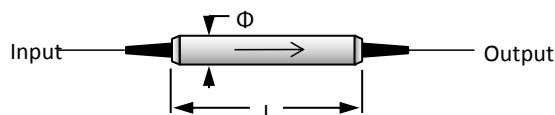


Multimode Optical Isolator 1064nm

The 1064nm Polarization Independent Multimode Optical Fiber Isolator is an in-line pigtailed micro-optic component that 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. This isolator could be built with 50/125μm or 62.5/125μm multimode fiber.



Features

- High Isolation
- Compact Size
- High Reliability & Stability

Applications

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

Performance Specification

Parameter	Value		Unit
Stage	Single Stage	Dual Stage	
Center Wavelength	1064		nm
Bandwidth	±5		nm
Typ. Insertion Loss at 23°C	1.5	2.4	dB
Max. Insertion Loss at 23°C	2.0	3.4	dB
Typ. Peak Isolation	25	45	dB
Min. Isolation at 23°C	18	35	dB
Min. Return Loss	35		dB
Max. Optical Power (CW)	300		mW
Max. Tensile Load	5		N
Fiber Type	50/125μm or 62.5/125μm Multimode Fiber		
Operating Temperature	-5 to +50		°C
Storage Temperature	-40 to +85		°C
Package Dimension	Φ5.5×L35		mm

Note

* For devices with connectors, IL will be 0.3dB higher and RL will be 10dB lower.

Ordering Information

MMISO-AAAA-B-CC-D-EE-FF

AAAA	B	CC	D	EE	FF
Wavelength	Stage	Fiber Type	Fiber Jacket	Fiber Length	Connector
1064 - 1064nm	S - Single Stage	M5 - 50/125μm Fiber	B - 250μm Bare Tube	05 - 0.5m	NE - None
SSSS - Specify	D - Dual Stage	M6 - 62.5/125μm Fiber	L - 900μm 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