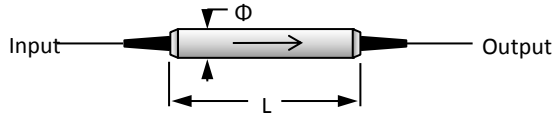


Multimode Dual Stage Optical Isolator 1550nm

The 1550nm Multimode Dual Stage 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 50/125um or 62.5/125um multimode fiber.



Features

- High Isolation
- Low Insertion Loss
- High Reliability & Stability

Applications

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

Performance Specification

Parameter	Value	Unit
Stage	Dual Stage	
Center Wavelength	1550 or customized	nm
Bandwidth	±20	nm
Typ. Insertion Loss at 23℃	0.6	dB
Max. Insertion Loss at -5~70℃	0.8	dB
Typ. Peak Isolation	50	dB
Min. Isolation at 23℃	40	dB
Temperature Dependent Loss	0.1	dB
Min. Return Loss	40	dB
Max. Optical Power (CW)	500	mW
Max. Tensile Load	5	N
Fiber Type	50/125um or 62.5/125um Multimode Fiber	
Operating Temperature	-5 to +70	℃
Storage Temperature	-40 to +85	℃
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

MMISO-AAAA-BB-C-DD-EE

AAAA	BB	C	DD	EE
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	M5 - 50/125um Fiber	B - 250um Bare	05 - 0.5m	NE - None
1550 - 1550nm	M6 - 62.5/125um Fiber	Tube	08 - 0.8m	FA - FC/APC
CL - C+L Band		L - 900um Loose	10 - 1.0m	FP - FC/PC
SSSS - Specify		Tube	15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify