

Polarization Insensitive Optical Isolator (1064nm)



FEATURES

- ✓ Low Insertion Loss
- ✓ High Return Loss
- ✓ High Isolation
- ✓ High Reliability and Stability

APPLICATIONS

- Communication Systems
- Testing Instruments
- Fiber Sensor
- Research

Specifications of Polarization Insensitive Optical Isolator (1064nm)

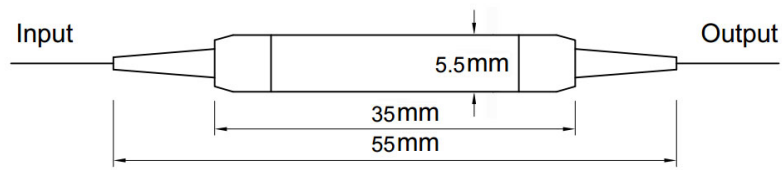
Stage	Single-stage	Dual-stage
Center Wavelength (nm)	1064	1064
Operating Wavelength Range (nm)	±5	±5
Typ. Peak Isolation at 23°C (dB)	40	55
Min. Isolation at 23°C (dB)	32	45
Typ. Insertion Loss at 23°C (dB)	1.5	2.4
Max. Insertion Loss at 23°C (dB)	1.8	3.2
Return Loss (dB)	≥ 50	
Polarization Dependent Loss at 23°C (dB)	≤ 0.15	
Optical Power Handling (CW) (mW)	≤ 300	
Tensile Load (N)	≤ 5	
Operating Temperature (°C)	-5 to +50	
Storage Temperature (°C)	-40 to +85	

Note

1. The polarization insensitive optical isolator (1064nm) is customizable, and the above specifications are subject to change without notice.
2. For device with connectors, IL is 0.3dB higher, RL is 5.0dB lower.
3. Bare fiber should not support the weight of the connector. So that if you need any connectors, it's better to choose the 900μm loose tube jacket instead of the 250μm bare fiber.
4. For product customization or special requirements, please contact Lfiber's sales department for availability.



Package Dimensions



Ordering Information for Polarization Insensitive Optical Isolator (1064nm)

Wavelength	Stage	Fiber Type	Package Dimensions	Pigtail Type	Fiber Length	Connector Type
1064nm	Single-stage	Hi1060	Φ5.5×35 mm	250μm bare fiber	0.5m	Nsone
	Dual-stage		Specified	900μm loose tube	0.8m	FC/UPC
					1.0m	FC/APC
					1.5m	SC/UPC
					Specified	SC/APC,
						LC/UPC
						LC/APC
						Others