

## 1480nm Multimode Optical Isolator

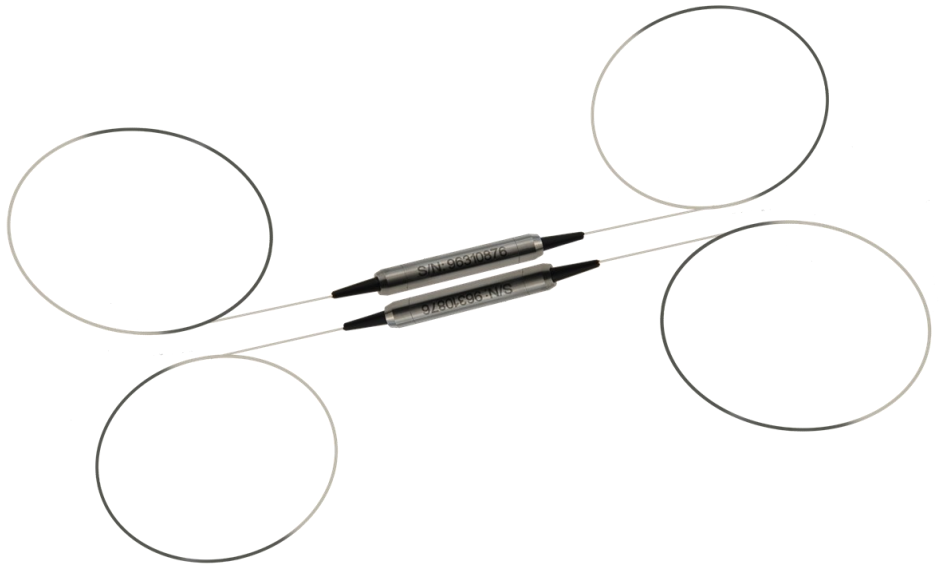
Multimode optical isolators can be used in optical communication and sensor systems that use 62.5/125 micron or 50/125 micron multimode fiber. This isolator is specially designed to work at 1310nm or 1550nm wavelength.

### Key Features

- Low insertion loss
- High isolation
- Optical path epoxy free
- High Reliability
- Excellent Temperature Stability

### Applications

- WDM System
- EDFA
- Raman Amplifiers
- Fiber Lasers
- Transmitters



## For more Info

### Please contact us at:

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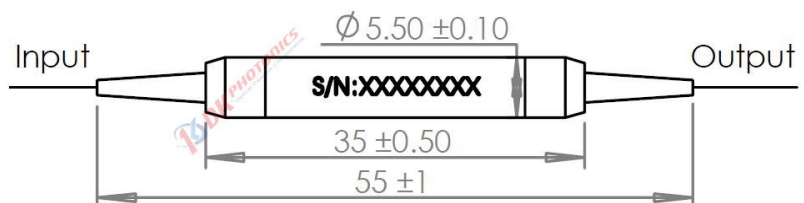
Add.:

4F, Bldg. 18, Qinghu Industrial Park,

Dahe Road, Longhua Dis.,

Shenzhen, China 518109

### Package Dimension:



\*Due to ongoing design improvements, the package size is subject to change. Please contact DK Photonics for confirmation if you have special requirements.

## 1480nm Multimode Optical Isolator

### Performance Specifications

Parameter	Unit	Single Stage	Dual Stage
Operating Wavelength	nm	1480	
Band Width	nm	±10	±15
Minimum Isolation at 23°C	dB	25	35
Maximum Insertion Loss at 23°C	dB	0.8	0.9
Return Loss (In/Out)	dB	>35/30	
PDL	dB	< 0.2	
Maximum Power Handling (CW)	W	0.3, 1, 3, 5, 10	
Max. Tensile Load	N	5	
Fiber Type	-	MM 62.5/125,50/125 fiber, or other	
Operating Temperature	°C	-20~+70	
Storage Temperature	°C	-40 ~+85	
Dimensions	mm	Φ5.5xL35	

1. Above specification are for device without connector and may change without notice.
2. IL is 0.3 dB higher and RL is 5 dB lower for each connector added.
3. The pass optical power is 2 W only for connector added.
4. Tested parameters may be inconsistent with different multi-mode light sources used.

### Order information P/N: ISO -①-②-③-④-⑤-⑥-⑦-⑧

When you inquire, please provide the correct P/N number according to our ordering information and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250μm bare fiber pigtail.

①	②	③	④	⑤	⑥	⑧
Type	Wavelength	Power Handling	Fiber Type	Pigtails Diameter	Fiber Length	Connector
IS: Single stage	14:1480nm	L:<0.3W 1:1W	M502:50/125um OM2 M62:62.5/125um	25:250μm bare fiber	05:0.5m 10:1.0m	00: None FP: FC/PC
IU: Dual stage		3:3W 5:5W	XX: Others	90:900μm Loose Fiber XX: Others	15:1.5m XX: Others	FA: FC/APC SA: SC/APC LA: LC/APC

**Part Number Example:** MMISO-IS-14-L-M502-25-10-00

**Description:** 1480nm multimode single stage fiber optic isolator, 0.3W power handling, 50/125um MM fiber, 250um bare fiber, 1.0m length fiber pigtails, no connectors at all ports.

### Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.