

1310nm 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

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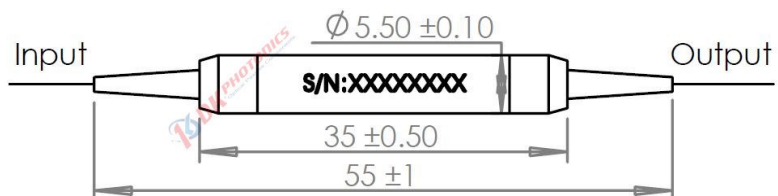
Add.:

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.

1310nm Multimode Optical Isolator

Performance Specifications

Parameter	Unit	Single Stage	Dual Stage
Operating Wavelength	nm	1310	
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	13:1310nm	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-13-L-M502-25-10-00

Description: 1310nm 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.