Optical Isolator Spec

Customer PN	Product PN	Description
	ISO-D1550P010-01	Mini Isolator, Dual stage 1550nm Isolator, steel tube: OD3.0xL25mm, Input/ Output: Corning SMF G657A2 fiber, 250um bare fiber,1.0m length, None connector

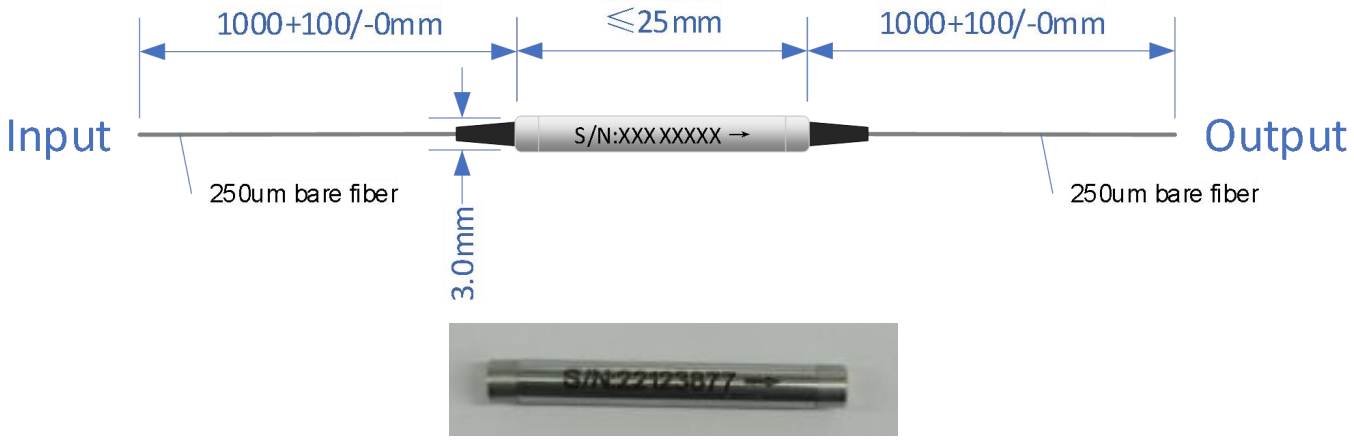
Performance Specifications

Parameters		Dual stage	Unit
Operating Wavelength		1550	-
Operating Wavelength Range		±30	nm
Typical Isolation		56	dB
Isolation within operating wavelength and temperature range		≥42	dB
Insertion Loss		≤0.6	dB
Polarization Mode Dispersion		≤0.05	ps
Polarization Dependent Loss		≤0.15	dB
Return Loss	Input & Output	≥55	dB
Optical Average Power		300	mW
Operating Temperature		-5~+75	℃
Storage Temperature		-5~+85	℃
Tensile Load		≥5	N
Fiber Type		Corning SMF G.657A2	-
Pigtail Type		250um bare fiber	-
Fiber Color	Input	White	-
	Output	Black	-
Fiber Length		1000+100/-0	mm
Connector		None	-
Package size	Steel tube	3.0 × L25	mm

* Insertion loss is defined within operating wavelength and temperature range and all state of polarization

**Device is marked with arrow to show direction of optical path. Detail see the mechanical drawing

Mechanical Dimensions



Test Report

The test report should be provided when the products are delivered. Following characteristic test data should be included：

- Insertion Loss (Room temperature)
- PDL (Room temperature)
- Isolation (Room temperature)
- Fiber Length、Fiber Type 、Pigtail

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- PN、SN Bar code

Packaging

Following items should be indicated on the outer packaging surface：

-Product Name

-Product Number

-Serial Number

Revision History

Revision	Notes	Authors	Checked	Approval	Date
Rev A0	New release	Virgil			2025-9-2

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