

In-Line Optical Isolator

Features

- Low insertion loss, high isolation
- Low PDL & PMD
- Optical path epoxy free
- Telcordia compliant
- RoHS compliant

Applications

- EDFA
- WDM system
- Fiber-optic instruments



Main Specifications

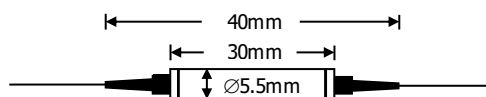
Parameter		Specification				Unit
Center Wavelength (λ_c)		1310/1550/1590				nm
Standard/Mini Size		Standard Size		Mini Size		
Single/Dual Stage		Single	Dual	Single	Dual	
Isolation (at $\lambda_c \pm 15$ nm) ¹	Min	32	46	32	46	dB
Isolation (at $\lambda_c \pm 15$ nm) ²	Min	22	40	22	40	dB
Insertion Loss (at λ_c) ¹	Typical	0.4	0.5	0.4	0.6	dB
Insertion Loss (at $\lambda_c \pm 15$ nm) ²	Max	0.6	0.7	0.6	0.8	dB
Return Loss (Input/Output)	Min	55/55	55/55	55/55	55/55	dB
PDL	Max	0.1	0.1	0.1	0.1	dB
PMD	Max	0.05	0.05	0.5	0.05	ps
Operating Temperature Range		-5 ~ +75				°C
Storage Temperature Range		-40 ~ +85				°C
Maximum Power Handling		500				mW
Package Dimension (L* $\varnothing$)		30*5.5 (Standard Size) 26*3.0 (Mini Size)				mm

Notes:

1. Tested at 23°C, all SOP, and values referenced without connector.
2. Tested at -5 ~ 75°C, all SOP, and values referenced without connector.

Mechanical Dimensions

Standard Size Single/Dual Stage Type



Mini Size



Order Information

ISO-A-B-C-D-E

A	Single/Dual Stage	S: single stage D: dual stage
B	Center Wavelength	31: 1310 nm 55: 1550 nm 59: 1590 nm
C	Fiber Type	1: 250 μ m bare fiber 2: 900 μ m tight buffer fiber (standard size)
D	Size	1: standard size 2: mini size
E	Connector Type	0: without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: customized

Example

Part number of "ISO-S-31-1-1-X" represents an In-Line Optical Isolator with:

- single stage
 - 1310 nm center wavelength
 - 250 μ m bare fiber
 - standard size
 - customized connector
- Please contact our Sales to discuss your specific requirements.

