

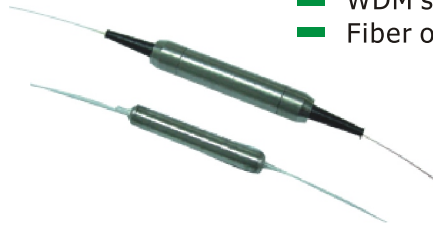
## IN-LINE OPTICAL ISOLATOR

### Features

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

### Applications

- EDFA
- WDM system
- Fiber optic instruments



### Specifications

Parameter	Specification						Unit
Center Wavelength ( $\lambda_c$ )	1310/1550/1590						nm
Standard/Mini Size	Standard Size			Mini Size			
Single/Dual Stage	Single(w/o PMD)		Single	Dual	Single	Dual	
Isolation (at $\lambda_c \pm 15\text{nm}$ ) <sup>1</sup>	Min	32	32	46	30	46	dB
Isolation (at $\lambda_c \pm 15\text{nm}$ ) <sup>2</sup>	Min	22	22	40	20	36	dB
Insertion Loss (at $\lambda_c$ ) <sup>1</sup>	Typ	0.4	0.4	0.5	0.4	0.6	dB
Insertion Loss (at $\lambda_c \pm 15\text{nm}$ ) <sup>2</sup>	Max	0.6	0.6	0.7	0.6	0.8	dB
Return Loss (Input/Output)	Min	60/55	60/55	60/55	55/55	55/55	dB
PDL	Max	0.05	0.05	0.05	0.1	0.1	dB
PMD	Max	0.5	0.05	0.05	0.05	0.05	ps
Operating Temperature Range	0~+70						°C
Storage Temperature Range	-40~+85						°C
Maximum Power Handling	500						mW
Package Dimension (L* $\varnothing$ )	30*5.5		35*5.5		26*3.0		mm

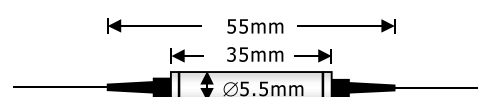
1. Tested at 23°C, all SOP, and values referenced without connector.

2. Tested at 0~70°C, all SOP, and values referenced without connector.

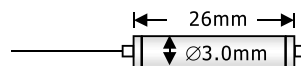
### Dimension



Standard size, single stage type



Standard size, dual stage type



Mini size

### Order Information

#### ISO-A-B-C-D-E-F

A	Single/Dual Stage	S: Single stage without PMD D: Dual stage P: Single stage with PMD
B	Grade	P: P-grade
C	Center Wavelength	31: 1310nm 55: 1550nm 59: 1590nm
D	Fiber Type	1: 250 $\mu$ m bare fiber 2: 900 $\mu$ m tight buffer fiber
E	Size	1: Standard size 2: Mini size
F	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