

## In-Line Isolator

### Features

- Low insertion Loss and high isolation
- Optical path epoxy free
- Low PDL & PMD
- Telcordia compliant



### Applications

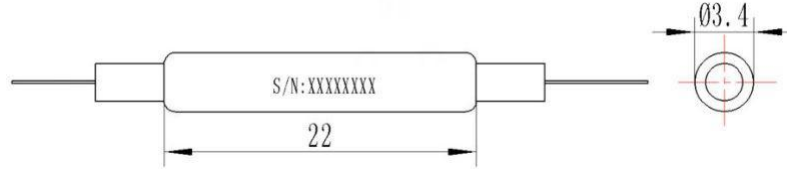
- Fiber-optic components
- DWDM/CWDM
- EDFA

### Specifications

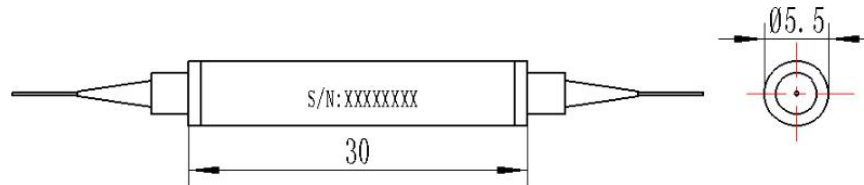
Parameters	Unit	Specification			
Center Wavelength ( $\lambda_c$ )	nm	1310/1550/1590			
Standard		Standard Size			
Single/Dual Stage		Single (W/O PMD)		Single (with PMD)	Dual
Isolation (at $\lambda_c \pm 15\text{nm}$ )	dB	Max	40	40	45
	dB	Min	22	22	38
Insertion Loss (at $\lambda_c \pm 15\text{nm}$ )	dB	Typ	0.4	0.4	0.5
	dB	Max	0.6	0.6	0.7
Return Loss (I/O)	dB	>50			
PDL	dB	<0.1			
PMD	ps	Max	0.25(0.05 available upon request)		
Operating Temperature Range	°C	-5 to +70			
Storage Temperature Range	°C	-40 to +85			
Maximum Power Handling	mW	500			
Package Dimension ( $\Phi \times L$ )	mm	1、 5.5×35 or 3.4×22			
<b>Note: 1. Customization is available.</b>					
<b>2. Specified without connector, and add an additional 0.2dB loss per connector.</b>					

**Dimension**

**Glass tube 3422: 3.4\*22**



**Steel tube 5530 : 5.5\*30**



**Ordering Information: IL - A - B - C - D - E - F**

A	B	C	D	E	F
Single/Dual Stage	Center Wavelength	Fiber Type	Fiber Length (Include connector)	Connector	Dimension
<b>S:</b> Single stage without PMD <b>P:</b> Single stage with PMD <b>D:</b> Dual stage	<b>31:</b> 1310nm <b>55:</b> 1550nm	<b>25:</b> 250μm <b>90:</b> 900μm	<b>05:</b> 0.5m±0.05m <b>10:</b> 1.0m±0.05m <b>X:</b> Other	<b>FP:</b> FC/PC <b>FA:</b> FC/APC <b>SP:</b> SC/PC <b>SA:</b> SC/APC <b>LP:</b> LC/PC <b>LA:</b> LC/APC	<b>3422:</b> Φ3.4×22mm <b>5535:</b> Φ5.5×35mm <b>X:</b> Other