

## C+L Band Polarization Insensitive Optical Isolator

C+L Band Polarization Insensitive Optical Isolator is a fiber passive component built with singlemode fiber, it allows light signal to be delivered in one forward direction and avoid the back reflection light, it's widely used in amplifier system, fiber optic sensor system to protect the light source and lower down the optical signal noise. High power type is available upon request.

### Application:

Fiber Amplifier  
Fiber Optic Sensor  
Fiber Laser  
Lab & Research

### Features:

High Isolation  
Low PDL  
Low Insertion Loss  
High Reliability



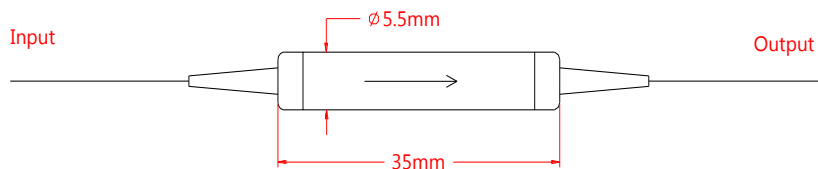
### Specification:

Parameter	Symbol	Value	Unit
Operating Wavelength	$\lambda$	1530-1620	nm
Typ. Insertion Loss	IL	0.5	dB
Max. Insertion Loss	IL	0.8	dB
Typ. Peak Isolation	Iso	58	dB
Min. Isolation	Iso	32	dB
Max. Polarization Dependent Loss	PDL	0.1	dB
Max. Polarization Mode Dispersion	PMD	0.2	ps
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		SMF-28e	-
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L35$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

### Drawing:



### Ordering Information (Part Number):

PIISO-WW-J-LL-CC			
WW	J	LL	CC
Wavelength	Fiber Jacket	Fiber Length	Connector
CL - C+L Band 1530-1620nm	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify