

## 1580nm MM Fiber Optic Isolator

1580nm Multimode Optical Isolator is a fiber passive component built with multimode 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



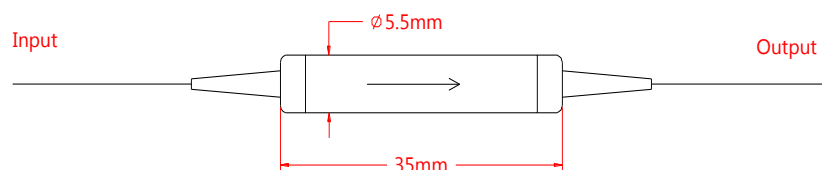
### Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	$\lambda$	1580		nm
Bandwidth	BW	$\pm 15$		nm
Stage		Single Stage	Dual Stage	-
Typ. Insertion Loss	IL	0.5	0.6	dB
Max. Insertion Loss	IL	0.8	0.9	dB
Typ. Peak Isolation	Iso	35	50	dB
Min. Isolation	Iso	25	40	dB
Max. Polarization Dependent Loss	PDL	0.2		dB
Max. Polarization Mode Dispersion	PMD	0.2		ps
Min. Return Loss	RL	35		dB
Max. Optical Power (CW)	P	500		mW
Max. Tensile Load		5		N
Fiber Type		50/125 or 62.5/125 MM fiber		-
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):

**MMISO-*WWW*-*S*-*FF*-*S*-*J*-*LL*-*CC***

<b>WWW</b>	<b>S</b>	<b>FF</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Stage	Fiber Type	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	S - Single Stage	M5 - 50/125	B - 250um Bare Fiber	05 - 0.5m	NE - None
1450 - 1450nm	D - Dual Stage	M6 - 62.5/125	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1480 - 1480nm			2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1550 - 1550nm			3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
1580 - 1580nm				SS - Specify	SU - SU/APC
					LA - LC/APC
					LU - LC/UPC
					SS - Specify