

1120nm PM Fiber Optic Isolator

1120nm Polarization Maintaining (PM) Optical Isolator is a fiber passive component built with PM 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.

Application:

Fiber Optic Amplifier
Fiber Optic Sensor
Fiber Laser
Lab And Research

Features:

High Extinction Ratio
High Isolation
Low Insertion Loss
High Reliability



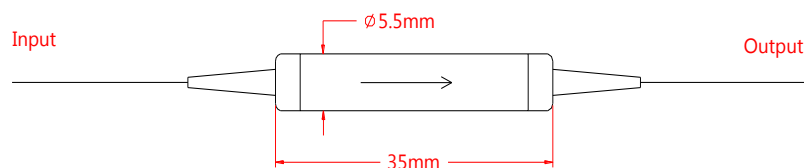
Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	1120		nm
Bandwidth	BW	± 10		nm
Stage		Single Stage	Dual Stage	-
Typ. Insertion Loss	IL	1.7	2.6	dB
Max. Insertion Loss	IL	2.2	3.6	dB
Typ. Peak Isolation	Iso	25	40	dB
Min. Isolation	Iso	18	35	dB
Min. Extinction Ratio for Fast Axis Blocked	ER	20		dB
Min. Extinction Ratio for Both Axes Working	ER	18		dB
Min. Return Loss	RL	50		dB
Max. Optical Power (CW)	P	300		mW
Max. Tensile Load		5		N
Fiber Type		PM Panda fiber		-
Operating Temperature	T	-5~50		°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, ER will be 2dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PMISO- WWW - S - A - J - LL - CC					
WWW	S	A	J	LL	CC
Wavelength	Stage	Working Axis	Fiber Jacket	Fiber Length	Connector
1120 - 1120nm SSSS - Specify	S - Single Stage D - Dual Stage	F - Fast Axis Blocked Slow Axis Working B - Both Axes Working	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