850±50nm Broadband PM Fiber Optic Isolator

850±50nm Broadband Polarization Maintaining Optical Isolator is a fiber passive component built with TGG crystal, it allows light signal to be delivered in one forward direction and avoid the back reflection light, it's widely used in OCT system, fiber optic sensor system to protect the light source and lower down the system optical signal noise. The hgiher power type is available upon request.

Application:

OCT
Fiber Optic Sensor
Fiber Laser
Lab And Research

Features:

High Isolation
Wide Band
High Extinction Ratio
High Reliability

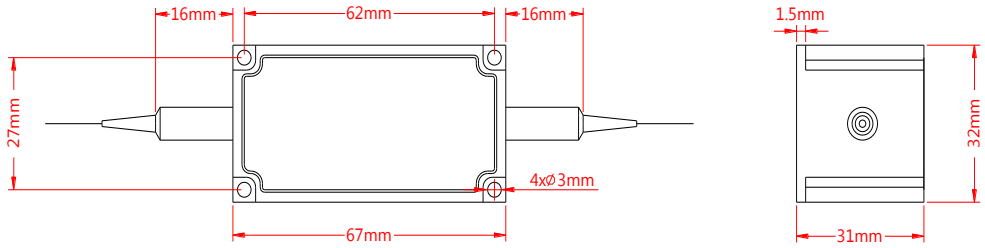
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	850	nm
Bandwidth	BW	±50	nm
Typ. Insertion Loss	IL	0.9	dB
Max. Insertion Loss	IL	1.4	dB
Typ. Peak Isolation	Iso	25	dB
Min. Isolation	Iso	18	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	500 (higher power is available)	mW
Max. Tensil Load		5	N
Fiber Type		PM Panda fiber	-
Operating Temperature	T	+5~65	℃
Storage Temperature	T	-40~85	℃
Package Dimension			mm

Notice: Above specifications are tested without connector in room temperature @23℃.

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):

BPMISO-WWW-A-J-LL-CC

WWW	A	J	LL	CC
Wavelength	**Working Axis**	**Fiber Jacket**	**Fiber Length**	**Connector**
850 - 850nm SSS - Specify	F - Fast Axis Blocked Slow Axis Working B - Both Axes Working	B - 250um Bare Fiber 9 - 900um 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