488nm PM Optical Isolator

488nm PM 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 amplifier system, fiber optic sensor system to protect the light source and lower down the system optical signal noise. The hgih power type is available upon request.

Application:

Quantum Communication
Fiber Laser
Coherent Detecting
Fiber Optic Amplifier

Features:

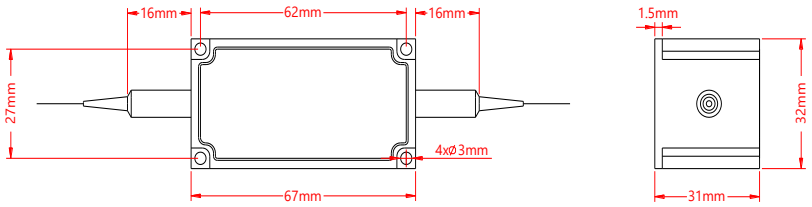
High Isolation
Low PDL
Low Insertion Loss
High Reliability

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	488	nm
Bandwidth	BW	±5	nm
Typ. Insertion Loss	IL	1.5	dB
Max. Insertion Loss	IL	2.0	dB
Typ. Peak Isolation	Iso	23	dB
Min. Isolation	Iso	20	dB
Min. Extinction Ratio	ER	18	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	300 or customized	mW
Max. Tensil Load		5	N
Fiber Type		Nufern PM460-HP fiber	-
Operating Temperature	T	+10~50	℃
Storage Temperature	T	0~60	℃
Package Dimension			mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

PMISO-WWW-A-J-LL-CC

WWW	A	J	LL	CC
Wavelength	**Working Axis**	**Fiber Jacket**	**Fiber Length**	**Connector**
470 - 470nm 480 - 480nm 488 - 488nm 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