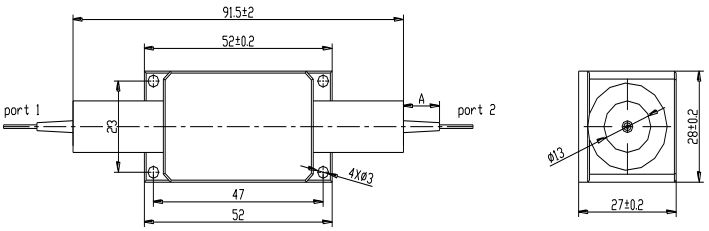
Broadband PM Optical Isolator 850nm

The 850±50nm Broadband Polarization Maintaining (PM) Optical Fiber Isolator is an in-line miro-optic component allows light to be transmitted only in the forward direction while blocking the backward transmittion. It's built with PM Panda fiber and designed to maintain the polarization of the input light with high extinction ratio. The PM isolators are commonly used to protect lasers or amplifiers against back-reflected light.



Features

High Isolation
High Extinction Ratio
Low Insertion Loss
Broadband

Applications

Fiber Amplifier
Fiber Laser
Fiber Sensor
Lab & Research

Performance Specification

Parameter	Value	Unit
Center Wavelength	850 or customized	nm
Bandwidth	±50	nm
Typ. Peak Isolation	33	dB
Min. Isolation at 23℃	25	dB
Typ. Insertion Loss at 23℃	1.0	dB
Max. Insertion Loss at -5 to 50℃	1.3 @ 850±30nm, 1.7 @ 850±40nm, 2.0 @ 850±50nm	dB
Min. Extinction Ratio	20	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave	500 (higher power available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	PM 850 Panda Fiber on Input & Output Port	
Operating Temperature	-5 to +50	℃
Storage Temperature	-40 to +85	℃
Package Dimension	Φ5.5×L35	mm

Note

** For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.*
** The PM fiber and the connector key are aligned to the slow axis.*

Ordering Information

BPMI-AAA-B-CC-DD-E

AAA	B	CC	DD	E
Wavelength	**Fiber Jacket**	**Fiber Length**	**Connector**	**Working Axis**
850 - 850nm SSS - Specify	B - 250um Bare Fiber L - 900um Loose Tube	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA - SC/APC SP - SC/PC LA- LC/APC LP - LC/PC SS - Specify	F - Fast Axis Blocked B - Both Axis Operating

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