

850±50nm Broadband Polarization Insensitive Optical Isolator

850±50nm Broadband Polarization Insensitive 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 higher power type is available upon request.

Application:

OCT
Fiber Optic Sensor
Fiber Laser
Lab & Research

Features:

Wide Band
High Isolation
Low Insertion Loss
High Reliability



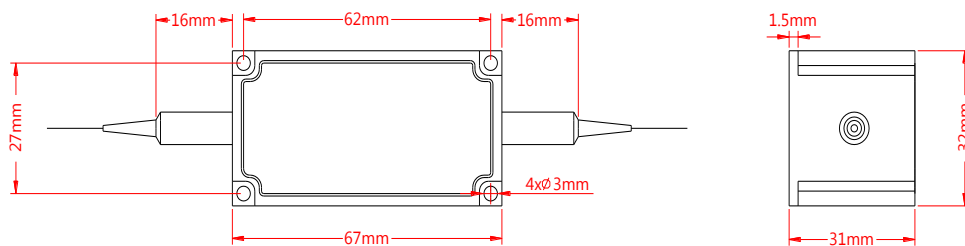
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	850	nm
Bandwidth	BW	±50	nm
Typ. Insertion Loss @ All Band	IL	0.9	dB
Max. Insertion Loss @ All Band	IL	1.4	dB
Typ. Peak Isolation	Iso	25	dB
Min. Isolation	Iso	18	dB
Max. Polarization Dependent Loss	PDL	0.2	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500 (higher Power is available)	mW
Max. Tensile Load		5	N
Fiber Type		Corning HI 780 fiber	-
Operating Temperature	T	+5~65	°C
Storage Temperature	T	-20~75	°C
Package Dimension			mm

Notice: Above specifications are tested 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):

BPIISO-*WWW*-*FF*-*J*-*LL*-*CC*

WWW	FF	J	LL	CC
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
850 - 850nm SSS - Specify	H7 - HI 780 SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SS - Specify