High Power 532nm Polarization Insensitive Optical Isolator

High Power 532nm 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 biomedical 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, if need pulse type please contact us to confirm.

Application:

Optical Biomedical
Fiber Optic Sensor
Fiber Laser
Lab & Research

Features:

High Isolation
High Power
Low Insertion Loss
High Reliability

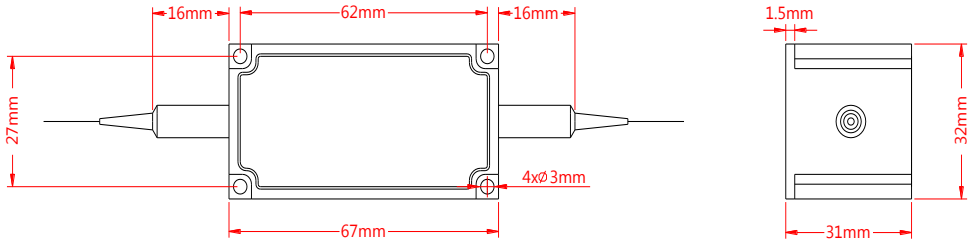
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	532	nm
Bandwidth	BW	±5	nm
Typ. Insertion Loss	IL	1.6	dB
Max. Insertion Loss	IL	2.0	dB
Typ. Peak Isolation	Iso	30	dB
Min. Isolation	Iso	22	dB
Max. Polarization Dependent Loss	PDL	0.2	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	0.5, 1, 2 or customized	W
Max. Peak Power	P	5 or customized	kW
Max. Tensil Load		5	N
Fiber Type		460-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, RL will be 5dB lower. Connectors only 1W CW guarantee.

Drawing:



Ordering Information (Part Number):

HPIISO-WWW-HH-FF-J-LL-CC

WWW	HH	FF	J	LL	CC
Wavelength	**Handling Power**	**Fiber Type**	**Fiber Jacket**	**Fiber Length**	**Connector**
488 - 488nm 532 - 532nm SSS - Specify	Z5 - 0.5W 01 - 1W 02 - 2W SS - Specify	4H - 460-HP SS - Specify	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