

## High Power 1064nm Polarization Insensitive Optical Isolator 2W

High Power 1064nm Polarization Insensitive Optical Isolator is a fiber passive component built with SM fiber, 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 optical signal noise. The optical power can be up to 2W CW for this package, if need pulse type please contact us to confirm.

### Application:

Fiber Optic Amplifier  
Fiber Optic Sensor  
Fiber Laser  
Lab And Research

### Features:

High Power  
High Isolation  
Low Insertion Loss  
High Reliability



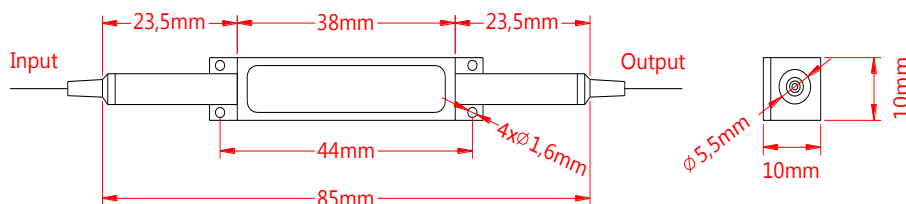
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1064	nm
Bandwidth	BW	$\pm 5$	nm
Max. Insertion Loss @1W CW	IL	2.0	dB
Max. Insertion Loss @2W CW	IL	2.5	dB
Typ. Peak Isolation	Iso	35	dB
Min. Isolation	Iso	28	dB
Max. Polarization Dependent Loss	PDL	0.2	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	1, 2 or specify	W
Max. Peak Power	P	5, 10 or specify	KW
Max. Tensile Load		5	N
Fiber Type		HI 1060 or LMA fiber	-
Operating Temperature	T	-10~50	$^{\circ}\text{C}$
Storage Temperature	T	-40~85	$^{\circ}\text{C}$
Package Dimension			mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}\text{C}$ .

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower. connectors only 1W CW optical power guarantee.

### Drawing:



### Ordering Information (Part Number):

CHPIISO-**WWWW**-**HH**-**FF**-**J**-**LL**-**CC**

<b>WWWW</b>	<b>HH</b>	<b>FF</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Handling Power	Fiber Type	Fiber Jacket	Fiber Length	Connector
1064 - 1064nm SSSS - Specify	01 - 1W 02 - 2W SS - Specify	H1 - HI 1060 10 - 10/125 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