

# High Power Polarization Insensitive Isolator (GK-HI Series)

## ● Description

The 1064 nm High Power Polarization Insensitive Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

## ● Specifications

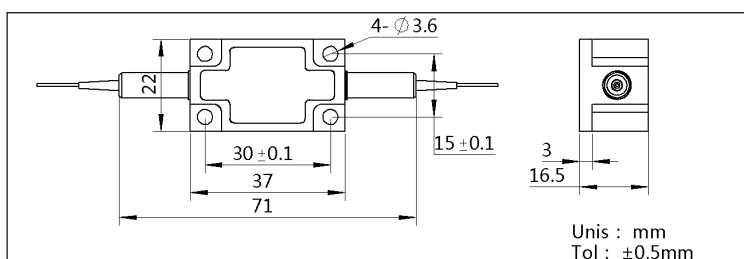
Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1064
Typ. Peak Isolation	dB	35
Min. Isolation, $\lambda_c$ , 23 °C, all polarization states	dB	28
Typ. Insertion Loss, 23 °C	dB	1.5
Max. Insertion Loss, 23 °C and input power 5 W	dB	2.5
Min. Return Loss (Input/Output)	dB	50/50
Max. Polarization Dependent Loss	dB	0.2
Max. Average Optical Power	W	5
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Fiber Type	-	specified by ordering info.
Operating Temperature	°C	+ 10 to + 50
Storage Temperature	°C	0 to + 60

<sup>1</sup>IL is 0.5 dB higher, and RL is 5 dB lower for each connector added.

<sup>2</sup>The optical power handling capability will be max 1W when the isolator is terminated with connectors.

<sup>3</sup>Optional band pass filter available both for input and output port

## ● Package Dimensions



## ● Ordering Information

GK-HI-①-②-③-④-⑤-⑥-⑦

### ①: Wavelength

06 - 1064 nm

SS - Specify

### ②: Handling Power

01 - 1 W

03 - 3 W

05 - 5 W

### ③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

### ④: Fiber Jacket

B - 250  $\mu$ m bare fiber

L - 900  $\mu$ m loose tube

S - Specify

### ⑤: Fiber Length

1 - 1.0 m

S - Specify

### ⑥: Fiber Type

1- HI 1060 fiber

S - Specify

### ⑦: Power Type

P - Pulse Application

C - Continuous Wave