



High Power Polarization Insensitive Isolator (GK-HI Series)

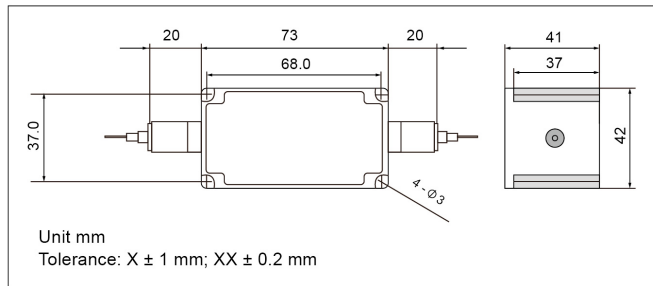
● Description

The 1064 nm Polarization Maintaining Isolator is a micro optics device with low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It is ideal for amplifiers, fiber lasers and test instrument applications.

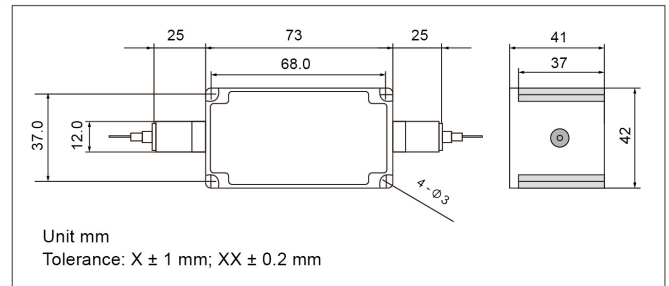
● Specifications

Parameter	Unit	Type A	Type B
Center Wavelength (λ_c)	nm	1064	
Operating Wavelength Range	nm	$\lambda_c \pm 10$	
Typ. Peak Isolation	dB	30	
Min. Isolation, λ_c , 23 °C, all polarization states	dB	25	
Typ. Insertion Loss, 23 °C	dB	0.8	
Max. Insertion Loss, 23 °C	dB	1	
Max. IL Output to Reflection (MMF), (Output to MMF)	dB	None	1
Min. Return Loss (Input/Output)	dB	50/50	
Max. Polarization Dependent Loss	dB	0.2	
Max. Average Optical Power	W	10	20
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type	-	HI 1060 Fiber	
MMF fiber type	-	None	MMF-105/125
Operating Temperature	°C	+ 10 to + 50	
Storage Temperature	°C	0 to + 60	

● Package Dimensions



Type A



Type B

● Ordering Information

GK-HI-①-②-③-④-⑤-⑥-⑦-⑧

①: Wavelength

06 - 1064 nm

SS - Specify

②: Package Type

A - Type A

B - Type B

③: Handling Power

03 - 3 W

10 - 10 W

20 - 20 W

SS - Specify

④: Connector Type

N - None

⑤: Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

S - Specify

⑥: Fiber Length

1 - 1.0 m

S - Specify

⑦: Fiber Type

1- HI 1060 Fiber

2 - Nufern FUD-3584 Fiber

3 - Nufern LMA-GDF-20/130-M

S - Specify

⑧: Power Type

P - Pulse Application

C - Continuous Wave