

High Power Polarization Insensitive Isolator (HI Series)

Rev 11

Description

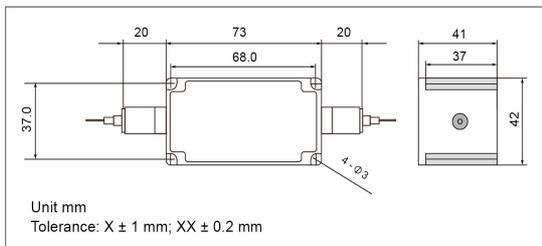
The 1064 nm High Power Polarization Insensitive Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

Specifications

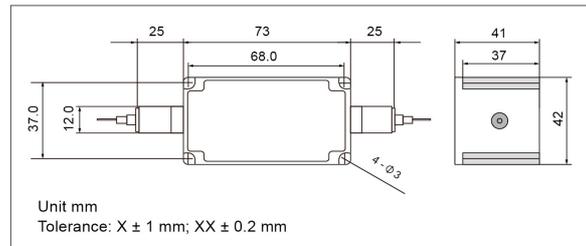
Parameter	Unit	Type A	Type B
Center Wavelength (λ_c)	nm		1064
Operating Wavelength Range	nm		$\lambda_c \pm 10$
Typ. Peak Isolation	dB		30
Min. Isolation, λ_c , 23 °C, all polarization states	dB		25
Typ. Insertion Loss, 23 °C	dB		0.8
Max. Insertion Loss, 23 °C	dB		1
Max. IL Output to Reflection (MMF), (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

Note: MMF Port is to take out useless light.

Package Dimensions



Type A



Type B

Ordering Information

HI-①①-②-③③-④-⑤-⑥-⑦-⑧

①①: Wavelength

06 - 1064 nm

SS - Specify

②: Package Type

A - Type A

B - Type B

③③: Handling Power

03 - 3 W

10 - 10 W

20 - 20 W

SS - Specify

④: Connector Type

N - None

⑤: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m 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