



1064 nm 50 W Isolator (HI Series)

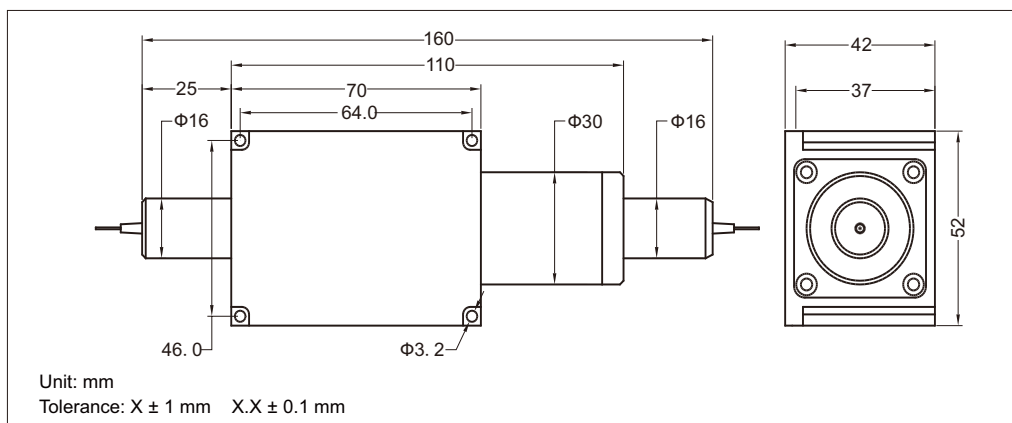
The 50 W Polarization Insensitive Isolator is characterized with low insertion loss, high isolation, high power high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Max. Polarization Dependent Loss	dB	0.2
Min. Isolation, 23 °C, all polarization states	dB	25
Typ. Insertion Loss, 23 °C	dB	1.3
Max. Insertion Loss, 23 °C	dB	1.5
Min. Return Loss (Input/Output)	dB	45/45
Max. Average Optical Power	W	50
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Fiber Type	Nufern FUD-3584 LMA-GSF, 10/125, NA: 0.075	
Operating Temperature	°C	10 to +50
Storage Temperature	°C	0 to +60



Package Dimensions



Ordering Information

HI-①①-②②-③-④-⑤-⑥

①①: Wavelength

06 - 1064 nm

SS - Specify

②②: Handling Power

50 - 50 W

SS - Specify

③: Connector Type

N - None

④: Fiber Jacket

B - 250 μ m bare fiberL - 900 μ m loose tube

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Power Type

P - Pulsed

C - Continuous wave