

High Power Polarization Insensitive Isolator (HI Series)

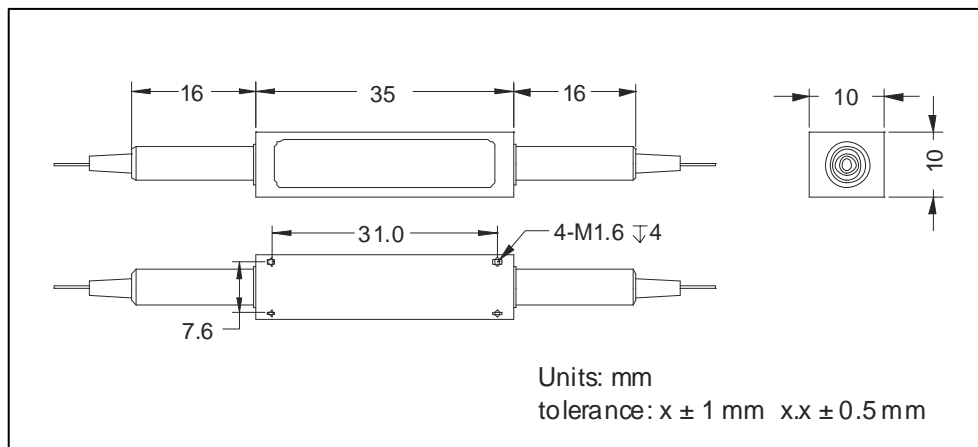
Rev 11

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 (λ_c)	nm	1064
Typ. Peak Isolation	dB	35
Min. Isolation, λ_c , 23 °C, all polarization states	dB	28
Typ. Insertion Loss, 23 °C	dB	1.7
Max. Insertion Loss, 23 °C	dB	2.0
Max. Insertion Loss, 23 °C and input power 1 W.	dB	2.5
Max. Insertion Loss, 23 °C and input power 2 W.	dB	3.0
Min. Return Loss (Input/Output)	dB	50/50
Max. Polarization Dependent Loss	dB	0.2
Max. Average Optical Power	W	2
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Fiber Type		HI 1060 Fiber

Package Dimensions



Ordering Information

HI-①①-②②-③③-④④-⑤⑤-⑥⑥

①①: Wavelength

06 - 1064 nm

SS - Specify

②②: Handling Power

01 - 1 W

02 - 2 W

SS - Specify

③③: Connector Type

N - None

④④: Fiber Jacket

B - 250 μ m bare fiber

L - 900 μ m loose tube

S - Specify

⑤⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥⑥: Power Type

P - Pulse Application

C - Continuous Wave