



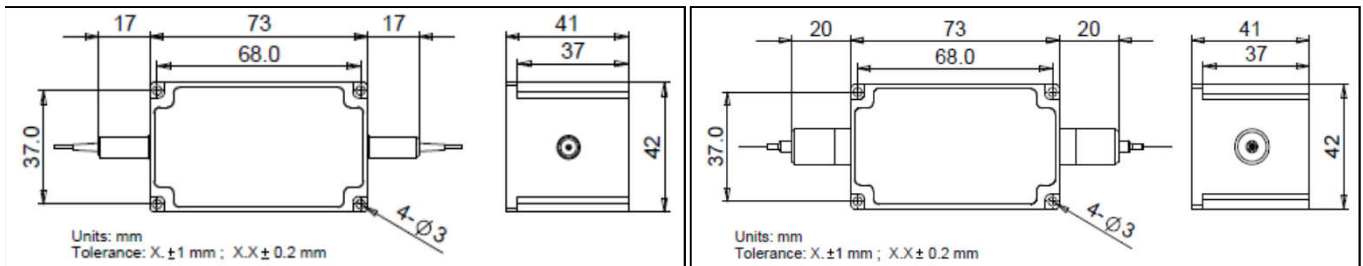
High Power Polarization Insensitive Isolator (HI Series)

The 1030 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	1030	
Typ. Peak Isolation	dB	30	
Min. Isolation, λ_c , 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	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	
Operating Temperature	°C	10 to +50	
Storage Temperature	°C	0 to +60	

Package Dimensions



Type A

Type B

Ordering Information

HI-①①-②-③③-④-⑤-⑥-⑦-⑧

①①: Wavelength

03 - 1030 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

S - Specify

⑧: Power Type

P - Pulse Application

C - Continuous Wave