



High Power Polarization Maintaining Isolator (GK-HI Series)

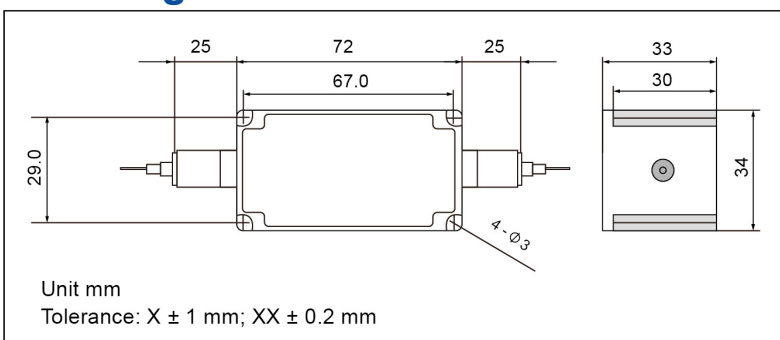
● Description

The 980 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	980
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Typ. Peak Isolation	dB	30
Min. Isolation, λ_c , 23 °C, All polarization statesTyp.	dB	25
Insertion Loss, 23 °C	dB	0.8
Max. Insertion Loss, 23 °C	dB	1
Min. Return Loss (Input/Output)	dB	45/45
Max. Polarization Dependent Loss	dB	0.2
Max. Average Optical Power	W	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



● Ordering Information

GK-HI-①-②-③-④-⑤-⑥-⑦

①: Wavelength

98 - 980 nm

SS - Specify

②: Handling Power

03 - 3 W

20 - 20 W

10 - 10 W

SS - Specify

③: Connector Type

N - None

④: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Fiber Type

1- HI 1060 fiber

2- Nufern FUD-3584Fiber

S- Specify

⑦: Power Type

P - Pulse Application

C - Continuous Wave