



High Power Polarization Insensitive Isolator (GK-HI Series)

● 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.

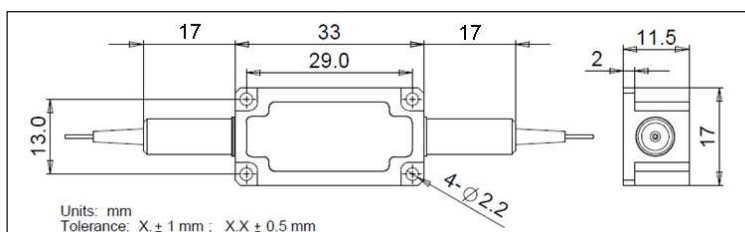
● Specifications

Parameter	Unit	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 and Input Power 300 mW	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
Operating Temperature	°C	+ 10 to + 50
Storage Temperature	°C	0 to + 60

¹IL is 0.5 dB higher, and RL is 5 dB lower for each connector added.

²The optical power handling capability will be max 1 W when the isolator is terminated with connectors.

● Package Dimensions



● Ordering Information

GK-HI-①-②-③-④-⑤-⑥-⑦

①: Wavelength

06 - 1064 nm

SS - Specify

②: Handling Power

01 - 1 W

02 - 2 W

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

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

S - Specify

⑦: Power Type

P - Pulse Application

C - Continuous Wave