



High Power Polarization Maintaining Isolator (GK-HPMI Series)

● Description

The High Power Polarization Maintaining 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.

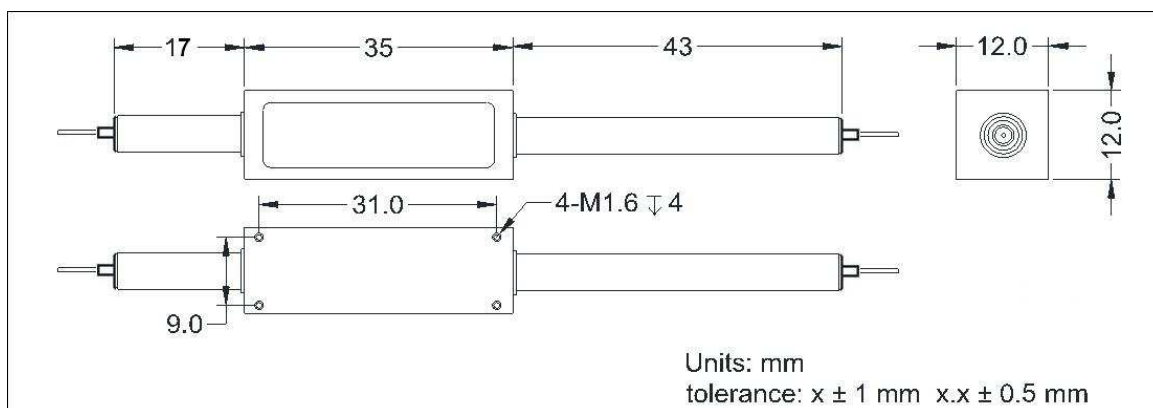
● Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1550
Min. Extinction Ratio, 23 °C	dB	20
Typ. Peak Isolation	dB	35
Min. Isolation, λ_c , 23 °C, all polarization states	dB	28
Typ. Insertion Loss, 23 °C	dB	0.3
Max. Insertion Loss, $\lambda_c \pm 20$ nm, 23 °C	dB	0.5
Min. Return Loss (Input/Output)	dB	50/50
Max. Optical Power	W	20
Max. Peak Power for ns pulse	N	10
Max. Tensile Load	kW	5
Fiber Type	-	PM 1550 Panda Fiber

¹IL is 0.3 dB higher, RL is 5 dB lower and ER is 2 dB lower for each connector added

²Optical Power is 1W for each connector added.

● Package Dimensions



● Ordering Information

GK-HPMI-①-②-③-④-⑤-⑥-⑦

①: Wavelength

55 - 1550 nm

SS - Specify

②: Handling Power

20 - 20 W

③: Connector Type

1 - FC/UPC 4 - SC/APC

2 - FC/APC N - None

3 - SC/UPC S - Specify

④: Fiber Type

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Working Axis

B - Both Axes Working

F - Fast Axis Blocked

⑦: Power Type

P - Pulse Application

C - Continuous Wave