



High Power Polarization Maintaining Fiber to Free Space Isolator (GK-HPMFSI Series)

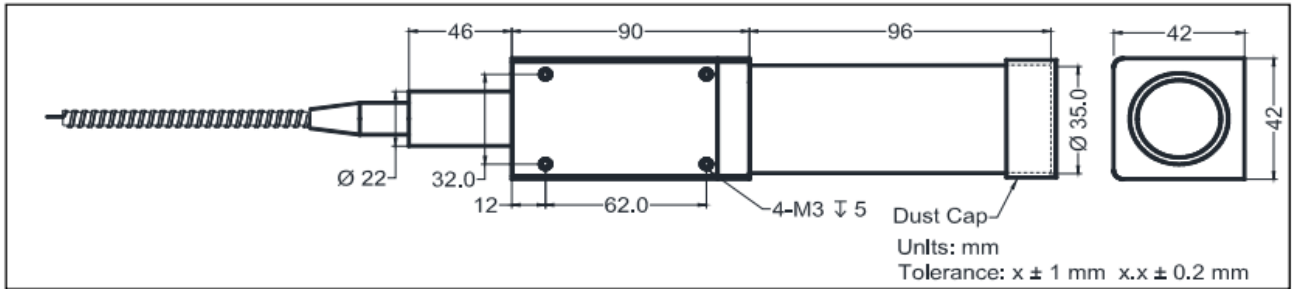
● Description

The 1064 nm Fiber to Free Space High Power Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, and 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, 23 °C, λ_c	dB	28
Max. Insertion Loss, 23 °C	dB	0.5
Min. Extinction Ratio	dB	20
M ² Degradation	%	< 10
Beam Roundness	%	> 90
Min. Return Loss	dB	50
Max. Average Optical Power	W	30
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Fiber Type (Input port)	-	PM 980 Panda Fiber
Fiber Type (Output port)	-	Free Space
Output beam size (1/e ²)	mm	7 ± 0.5
Operating Temperature	°C	+ 10 to + 50
Storage Temperature	°C	0 to + 60

● Package Dimensions



● Ordering Information

GK-HPMFSI-①-②-③-④-⑤-⑥-⑦

①: Wavelength

06 - 1064nm
SS - Specify

②: Handling Power

03 - 3 W 20 - 20 W
10 - 10 W 30 - 30 W
SS - Specify

③: Fiber Jacket

B - 250 μm Bare Fiber
6 - 6 mm Armoured Cable
with Yellow PVC Tube

④: Fiber Length

2 - 2.0 m
S - Specify

⑤: Working Axis

F - Fast Axis Blocked
B - Both Axes Working

⑥: Fiber Type

1 - PM 980 Panda Fiber
2 - Nufern FUD-3460 PM-10/125
NA0.08
3 - Nufern PLMA-GDF-20/130
NA 0.08

⑦: Power Type

P - Pulsed
C - Continuous Wave