

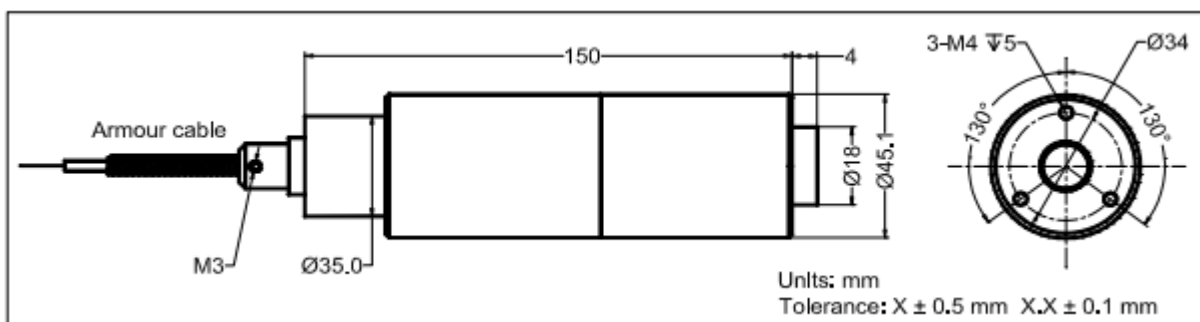


Fiber to Free Space High Power Isolator

● Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064 $\pm$ 10 nm
Min. Isolation at 23 $^{\circ}$ C; λ_c all polarization states	dB	33
Min. Isolation at full temperature; λ_c all polarization states	dB	23
Max. Insertion Loss at 23 $^{\circ}$ C	dB	0.4
Max. Polarization Dependent Loss	dB	0.10
Min. Return Loss	dB	53
Max. Average Optical Input Power	W	110
Max. Average Optical Output Power	W	100
Max. Peak Power for ns pulse	kW	30
Reverse Power Handling	W	50 W for 3 min. max
Fiber Type (input port)	-	specified by ordering info.
Nominal Output Beam Diameter (1/e ²)	mm	0.52 $\pm$ 0.02
M ² Degradation	%	< 10
Beam Roundness	%	> 90
650-670 nm Transmission	%	> 10
Beam Centroid Position	mm	$\pm$ 0.2
Beam Divergence Angle (Full Angle)	mrad	< 5.0
Max. Tensile Load	N	5
Operating Temperature	$^{\circ}$ C	+ 10 to + 50
Storage Temperature	$^{\circ}$ C	0 to + 60

● Package Dimensions



● Ordering Information

GK-HPFS-①-②-③-④-⑤-⑥

①: Wavelength

06 - 1064 nm

SS - Specify

②: Handling Power

030 - 30 W

050 - 50 W

100 - 100 W

SSS - Specify

③: Fiber Length

3 - 3.0 m

S - Specify

④: Fiber Type

1 - Nufern LMA-GDF-30/250-M

2 - Liekki Passive-25/250SC/DC

3 - Nufern LMA-GDF-20/130

S - Specify

⑤ : Fiber Jacket

06 - 6 mm Armoured Cable

10 - 10 mm Armoured Cable

SS - Specify

⑥: Power Type

P - Pulsed

C - Continuous wave