

1064 nm Polarization Maintaining High Power Free Space Isolator

Model #: HPPFSI

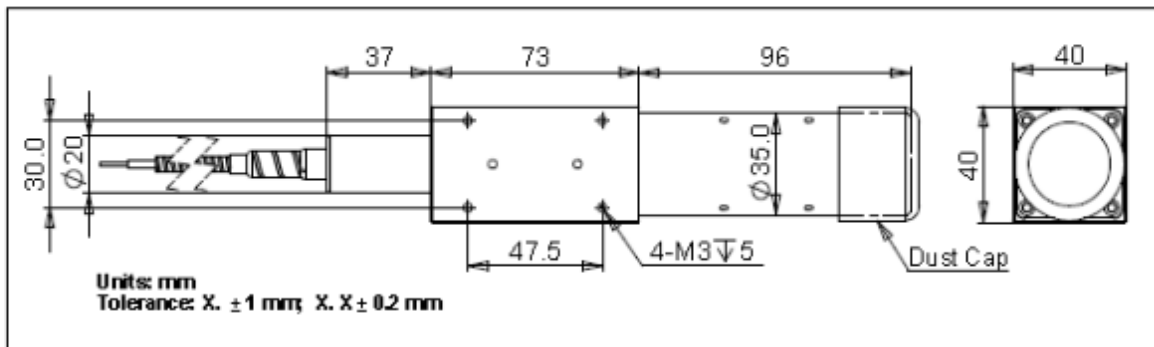
Description: 1064 nm Polarization Maintaining High Power Free Space Isolator

Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications
Central Wavelength	nm	1064
Typ. Peak Isolation	dB	35
Min. Isolation (λ_c , 23°C)	dB	28
Max. Insertion Loss (23°C)		3.0
Min. Return Loss	dB	50
Max. Polarization Extinction Ratio	dB	20
Max. Optical Power (CW)	W	20
Max. Peak Power for ns Pulses	kW	10
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +40
Storage Temperature	°C	-40 to + 85
Output Termination		Free Space
Output Beam Diameter ($1/e^2$)	mm	~5
Dimension	mm	40 (W) x 40 (H) x 212 (L)
Fiber Type (input port)		PM 980 Panda Fiber

Package Dimensions



Ordering Information:

Single Stage: HPPFSI-AA-BB-C-D-E-F-G

AA: wavelength	BB: power handling	C: connector type	D: fiber jacket	E: fiber length	F: working axis	G: power type
06 - 1064 nm	03: 3 W	N – none	B - 250 μ m Panda fiber	Q – 0.75 m	F - fast axis blocked	P - Pulsed
XX - Other	10: 10 W		L - 900 μ m loss tube	X - other	B – both axes working	C - CW
	20: 20 W		X - other			
	XX: Other					