

1064 nm Fiber to Free Space High Power Isolator

Model #: FSHI

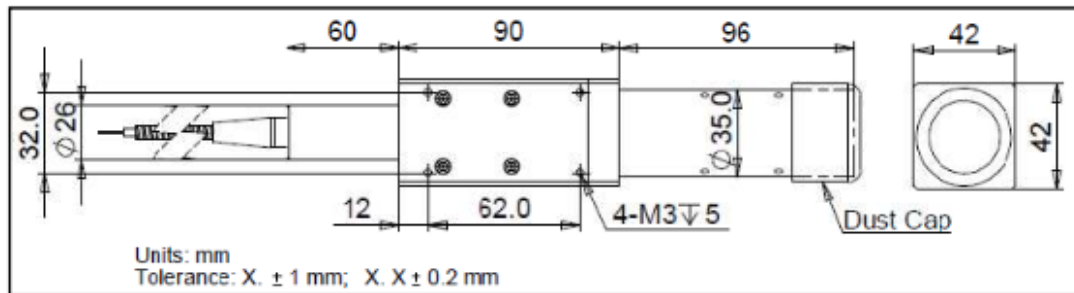
Description: 1064 nm Fiber to Free Space High Power Isolator

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, λ_c)	dB	0.5
Min. Return Loss	dB	50
Max. Polarization Dependent Loss	dB	0.1
Max. M^2 Degradation	%	10
Min. Beam Roundness	%	90
Max. Optical Power (CW)	W	20
Max. Peak Power for ns Pulses	kW	10
Max. Tensile Load	N	5
Output Termination		Free Space
Output Beam Diameter ($1/e^2$)	mm	7 ± 1
Dimension	mm	40 (W) x 40 (H) x 212 (L)
Fiber Type (input port)		Nufern FUD-3655 LMA-GDF-20/130-08
Operating Temperature	°C	10 to +50
Storage Temperature	°C	0 to +60

Package Dimensions



Ordering Information:

Single Stage: **FSHI-AA-BB-C-D-E-F**

AA: wavelength	BB: power handling	C: fiber jacket	D: fiber length	E: fiber type	F: power type
06 - 1064 nm	10 - 10 W	B - 250 μ m Panda fiber	1 - 1.0 m	1 - Nufern FUD-3655 LMA-GDF-20/130-08	P - Pulsed
XX - Other	20 - 20 W	6 - 6 mm Armoured cable with yellow PVC tube	2 - 2.0 m	X - other	C - CW
	30 - 30 W	X - other	X - other		
	XX: Other				