

1064nm Polarization Maintaining High Power Free Space Isolator with Beam Expander

Model #: HPPFSI

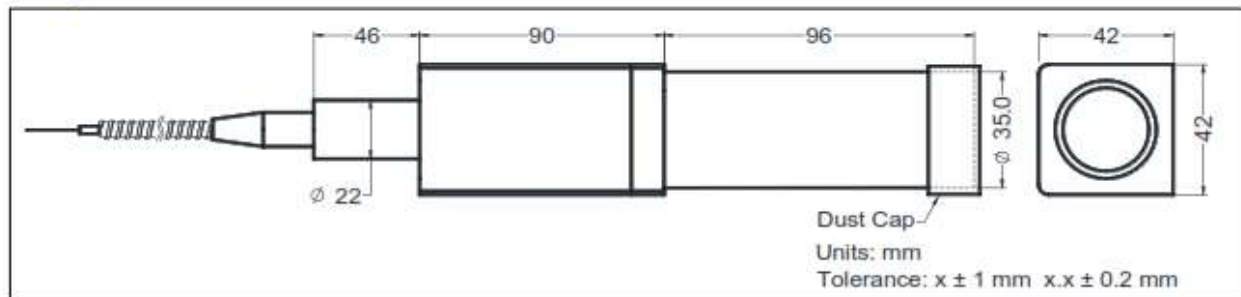
Description: 1064 nm Polarization Maintaining High Power Free Space Isolator with beam expander

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 Extinction Ratio	dB	20
Max. Optical Power (CW)	W	50
Max. Peak Power for ns Pulses	kW	20
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +40
Storage Temperature	°C	-40 to + 85
Output Termination		Free Space
Beam Waist Diameter ($1/e^2$, single mode only)	mm	5.0 ± 0.5
Dimension	mm	42 (W) x 42 (H) x 232 (L)

Package Dimensions



Ordering Information:

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

AA: wavelength	BB: power handling	C: fiber jacket	D: fiber type	E: fiber length	F: working axis
06 - 1060 nm	03: 3 W	B - 250 μ m Panda fiber	1 - Nuferm PLMA - DGF - 20/130 fiber (NA 0.08)	1 - 1.0 m	F - fast axis blocked
XX - Other	10: 10 W	L - 900 μ m loss tube	2 - PM980 fiber	2 - 2.0 m	B - both axes working
	20: 20 W	C - 3mm cable		X - other	
	50: 50 W	6 - 6 mm armoured cable with yellow PVC tube			
	XX: Other				