

2 μm Fiber to Free Space High Power Isolator (HPFSI Series)

Spec Review No.: SR21215

Description

This Fiber to Free Space High Power Isolator is characterized with low insertion loss, high isolation high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

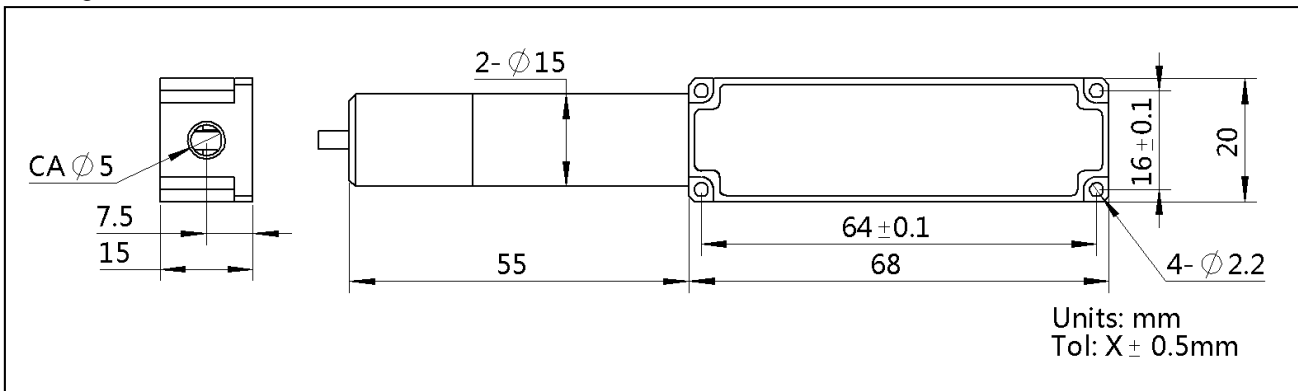
Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	2000, specified
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Max. Insertion Loss	dB	1
Min. Isolation @ λ_c , 25 °C	dB	25
Beam Diameter ($1/e^2$, Single mode only)	mm	0.8 ± 0.2
Beam Divergence (Far field)	mrad	< 5
M ² Deterioration Rate	%	< 10
Beam Roundness	%	> 90
Max. Average Optical Power	W	100
Max. Peak Power for ns pulse	kW	20
Return Loss	dB	50
Max. Tensile Load	N	5
Fiber Type	-	Specified by ordering info
Operating Temperature	°C	+ 10 to + 50
Storage Temperature	°C	0 to + 60

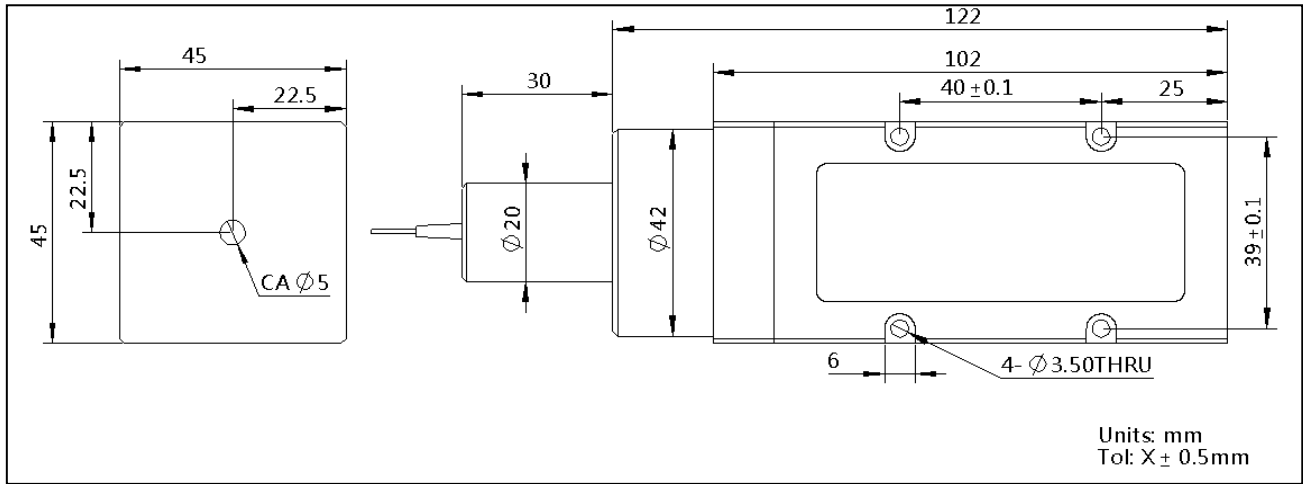
Package Dimensions

Note: Package type depends on client accepts customized lens (package one) or not (package two).

Package one:



Package two:



HPFSI-①①①①-②②②-③-④-⑤-⑥

①①①①: Wavelength

1910 - 1910 nm

2050 - 2050 nm

SSSS - Specify

②②②: Handling Power

100 - 100 W

SSS - Specify

③: Fiber Type

1 - Nufern LMA-GDF-25/400-09M

2 - Nufern LMA-GDF-25/250-09M

3 - IxBlue IXF-2CF-PAS-20-250-0.08

S - Specify

④: Fiber Jacket

B - Bare Fiber

⑤: Fiber Length

Q - 0.75 m

1 - 1.0 m

S - Specify

⑥: Power Type

P - Pulse Application

C - Continuous Wave