Advanced Fiber Resources (HK), Ltd.

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

Spec Review No.: SR21215 Date: Aug. 21, 2020

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 instrumenta applications.

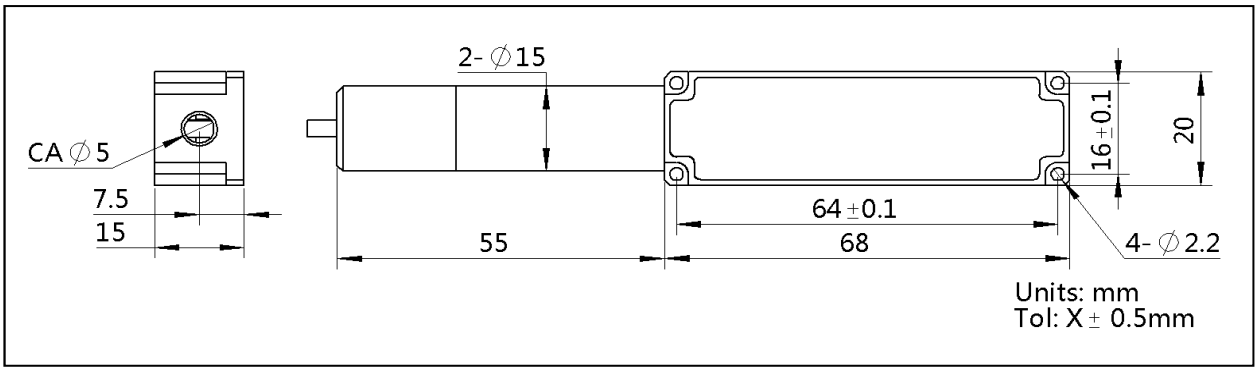
Specifications

Parameter	Unit	Value
Center Wavelength (λc)	nm	2000 or specify
Operating Wavelength Range	nm	λc ± 10
Max. Insertion Loss	dB	1
Min. Isolation @λc, 25℃	dB	25
Beam Diameter ($1/e^2$, M2=1.0)	mm	0.8 ± 0.2
Beam Divergence (Far field, M2=1.0)	mrad	<5
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	℃	10 to +50
Storage Temperature	℃	0 to +60

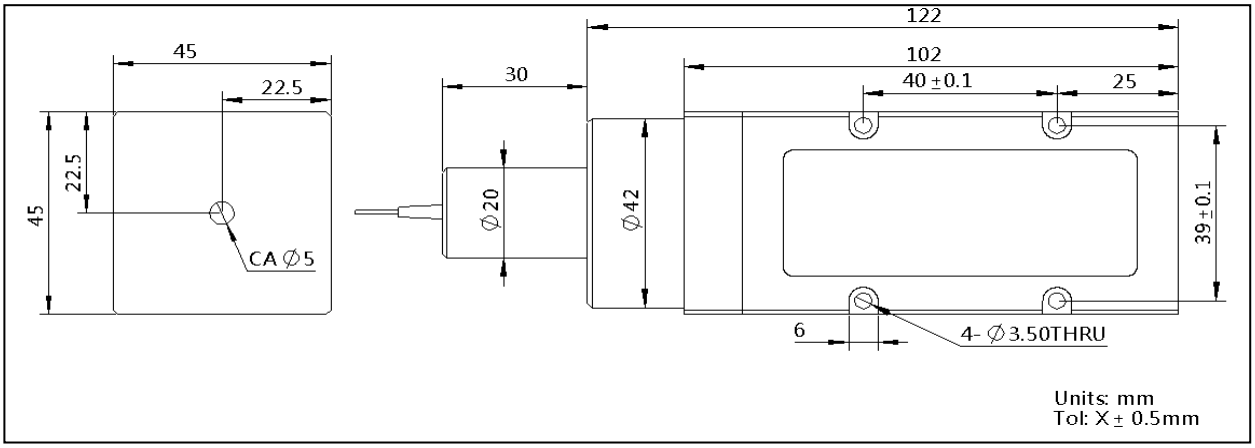
Package Dimensions

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 - 1910nm
2050 - 2050nm
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 - 1.0m
S - Specify

⑥: Power Type
P - Pulse Application
C - Continuous Wave

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