



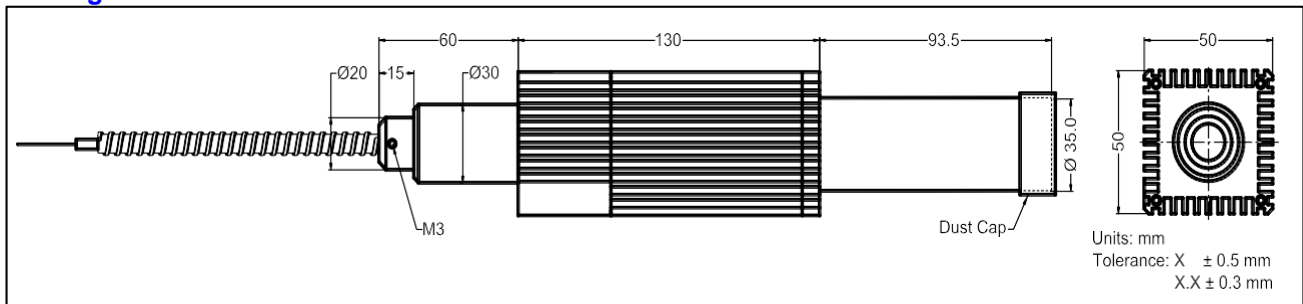
## StediBeam™ 100 120W 1064nm Isolator

AFR's StediBeam™ is the best Isolator designed for high power pulse fiber lasers. Two versions of design are compatible to lasers of 100W and 200W, respectively. With multiple patented technologies, the StediBeam™ delivers unparalleled performance of aberration-free and thermal lensing-free beam quality at any output power level. It also provides high isolation to reflection coming from all spatcial angles.

### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1064±15nm
Max. Insertion Loss at 30°C, $\lambda_c$	dB	0.4
Min. All-angle Isolation at 30°C	dB	30
Min. All-angle Isolation at full temperature	dB	20
Min. Return Loss	dB	50
Nominal Output Beam Diameter (1/e <sup>2</sup> )	mm	6.5 ± 0.5
Beam Diameter Change with Power	μm/W	<5
Beam Circularity	%	> 90
M <sup>2</sup> Degradation	%	< 10
Max. Average Optical Power	W	120
Max. Peak Power for ns pulse	KW	30
Reverse Power Handling	W	10W Continuous 50W (3 min max)
Fiber Types		Specified by ordering info
Operating Temperature	°C	10 to +50
Storage Temperature (Non-condensing condition)	°C	-10 to +60

### Package Dimensions



### Ordering Information

#### StediBeam-100-①①-②②-③③-④④

①①: Wavelength	②②: Jacket Type	③③: Fiber Length
06 - 1064nm	10 - 10 mm Armoured cable	3 - 3.0 m
SS - Specify	SS - Specify	S - Specify
④④: Fiber Type		
1 - Nufern LMA-GDF-30/250-M (NA 0.06)		
S - Specify		