



StediBeam[®] 200 W 1064 nm Isolator

Rev 11

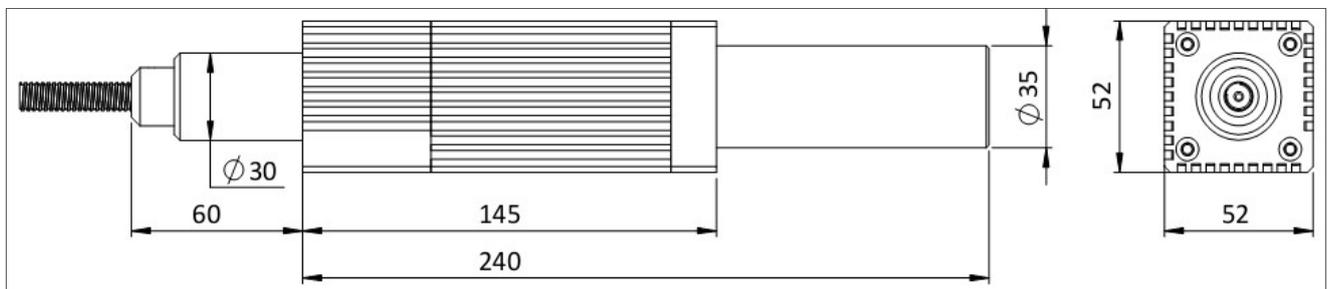
Descriptions

AFR's StediBeam[®] are the best Isolators designed for high power pulse fiber lasers. Two versions of design are compatible to lasers of 100 W and 200 W, 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 spatial angles.

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064 \pm 15
Max. Insertion Loss at 30 °C, λ_c	dB	0.4
Typ. Peak Isolation	dB	40
Min. Isolation at 30 °C	dB	30
Min. Isolation at all temperature	dB	20
Min. Return Loss	dB	50
Nominal Output Beam Diameter ($1/e^2$)	mm	6.5 \pm 0.5
Beam Circularity	%	> 90
M ² Degradation	%	< 10
Focal Shift @ 200 W	Z _R	< 0.3
Max. Average Optical Power	W	200
Max. Average Optical Power from Cladding	W	5
Max. Peak Power for ns pulse	KW	30
Reverse Power Handling	W	10 W Continuous 50 W (3 mins 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[®]-200-①①-②②-③③-④④

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