

1064nm High Power SM Fiber To Free Space Beam Out Isolator

1064nm High Power SM Polarization Independent Fiber To Free Space Beam Out Isolator is a fiber passive component transmits high power laser from fiber into free space with laser beam collimated output. it allows laser to be delivered in one forward direction and avoid the back reflection light, it's widely used in Fiber Amplifier system, fiber Laser system to protect the light path system and lower down the optical signal noise. The optical power and output beam diameter can be customized upon request.

Application:

Fiber Optic Amplifier
Fiber Laser
Lab & Research

Features

High Power
High Isolation
Low Insertion Loss
High Reliability



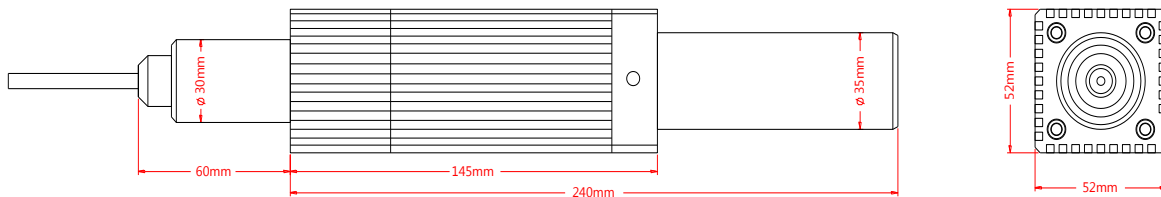
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1064	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss (Free Space Output)	IL	0.36	dB
Max. Insertion Loss (Free Space Output)	IL	0.5	dB
Typ. Isolation @23°C	Iso	30-35	dB
Min. Isolation @23°C	Iso	28	dB
Beam Diameter ($1/e^2$, M2=1.0, @ 0-1m Working Distance)		5 \pm 0.5, 6 \pm 0.5, 7 \pm 0.5 or specify	mm
Max. Nominal M2 Degradation		10	%
max. Nominal Focal Shift of Thermal Lens		2	mm
Min. Ellipticity		90	%
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	100, 150, 200 or specify	W
Max. Peak Power	P	5, 10, 20 or specify	KW
Max. Tensile Load		5	N
Fiber Type		HI 1060, 10/125DC, 20/125DC, 15/130DC or specify	-
Operating Temperature	T	-5~50	°C
Storage Temperature	T	-20~75	°C
Package Dimension			mm

Notice: Above specifications are tested at center wavelength in room temperature @23°C.

If need pulse type please tell us to confirm.

Drawing:



Ordering Information (Part Number):

HPIBI-WWWW-BB-HHH-J-LL

WWWW	BB	HHH	FF	J	LL
Wavelength	Output Beam Diameter	Handling Power	Fiber Type	Fiber Jacket	Fiber Length
1064 - 1064nm	05 - 5mm	100 - 100W	H1 - HI 1060	06 - 6mm Armoured Cable	05 - 0.5m
SSSS - Specify	06 - 6mm	150 - 150W	10/125 - 10/125DC	07 - 7mm Armoured Cable	10 - 1.0m
	07 - 7mm	200 - 200W	20/125 - 20/125DC	10 - 10mm Armoured Cable	15 - 1.5m
	SS - Specify	SSS - Specify	15/130 - 15/130DC		20 - 2.0m
				20/130 - 20/130DC	
			30/250 - 30/250DC		
			SSS - Specify		