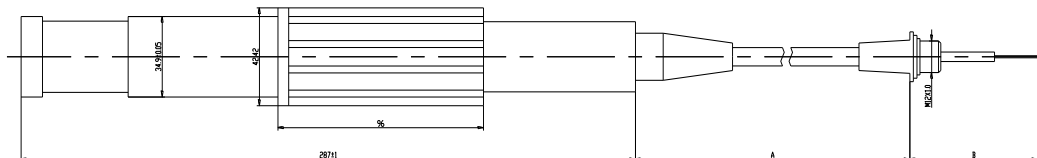


High Power Expanded Beam Output Isolator 1064nm

The 1064nm High Power Expanded Beam Output Isolator is a device that transmits high power light from input fiber into an output collimated light beam into free space while blocking the unwanted light from back reflection and scattering. It features high isolation, low insertion loss and high power handling. The optical isolators are commonly used to Fiber Lasers.



Features

- High Isolation
- Low Insertion Loss
- High Power Handling



Applications

- Fiber Laser
- Lab & Research

Performance Specification

Parameter	Value	Unit
Center Wavelength	1064 or customized	nm
Bandwidth	±10	nm
Typ. Transmission	93	%
Min. Transmission	90	%
Typ. Peak Isolation	35	dB
Min. Isolation at 23℃	30	dB
Nominal Output Beam Diameter	8±1 or customized	mm
Max. PDL at 23℃	0.15	dB
Min. Return Loss	50	dB
Max. Optical Power (CW)	5, 10, 20 (higher available upon request)	W
Max. Peak Power for pulse	10, 20 or customized	kW
Max. Tensile Load	1	kg
Fiber Type	HI 1060 fiber or LMA fiber	
Operating Temperature	0 to +50	℃
Storage Temperature	-20 to +75	℃
Package Dimension		mm

Note

* For higher power applications, pls discuss with OF-LINK.

* Package Dimension may different according to custom specifications, for details please contact OF-LINK.

Ordering Information

HPEBOI-AAAA-B-CC/CCC-DD-EE-FF

AAAA	B	CC/CCC	DD	EE	FF
Wavelength	Output Beam Diameter	Fiber Type	Fiber Length (A)	Fiber Length (B)	Power
1064 - 1064nm	08 - 8mm	H6 - HI 1060 Fiber	L25 - 3mm Loose Cable	10 - 1.0m	10 - 10W
SSSS - Specify	SS - Specify	10/125 - 10/125um Fiber	2.5m Length	12 - 1.2m	20 - 20W
		20/125 - 20/125um Fiber	A25 - 3mm Armoured Cable	SS - Specify	SS - Specify
		20/250 - 20/250um Fiber	2.5m Length		
		25/250 - 10/128um Fiber	B25 - 6mm Armoured Cable		
		30/250 - 30/250um Fiber	2.5m Length		
		SS/SSS - Specify			