

1064 nm High Power Polarization Maintaining Isolator

Model #: HPMI

Description: 1064 nm High Power Polarization Maintaining Fiber Isolator

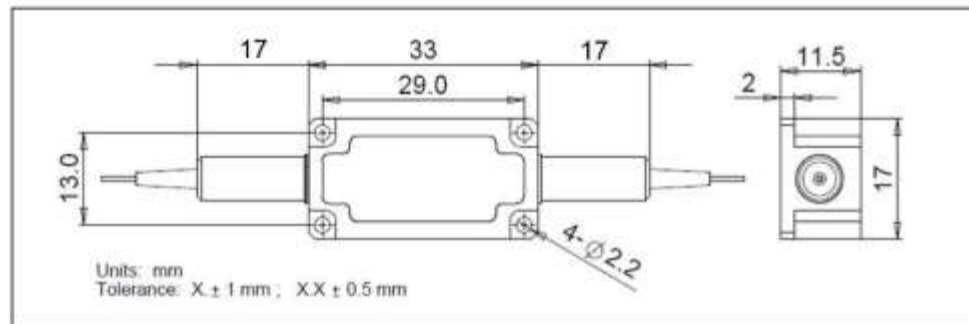
Application: Fiber amplifier, fiber laser

Specifications:

Parameter	Unit	Specifications
Central Wavelength	nm	1064
Typ. Peak Isolation	dB	35
Min. Isolation (λ_c , 23°C)	dB	28
Typ. Insertion Loss (λ_c , 23°C)	dB	1.7
Max. Insertion Loss (λ_c , 23°C)	dB	2.0
Max. Insertion Loss (λ_c , 23°C, 1 W input)	dB	2.5
Max. Insertion Loss (λ_c , 23°C, 2 W input)	dB	3.0
Min. Return Loss (input / output)	dB	50
Min. Polarization Extinction Ratio	dB	20
Max. Optical Power (CW)	W	2
Max. Peak Power for ns Pulses	kW	10
Max. Tensile Load	N	5
Dimension	mm	17 (W) x 11.5 (H) x 67 (L)
Fiber Type		PM 980 Panda Fiber
Operating Temperature	°C	+10 to +50
Storage Temperature	°C	0 to +60

*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Keying to slow axis. The optical power handling capacity will be maximum 1W when connectors are installed.

Package Dimensions



Ordering Information:

Single Stage: HPMI-AA-BB-C-D-E-F-G-H

AA: wavelength	BB: power handling	C: connector type	D: fiber jacket	E: fiber length	F: working axis	G: fiber type	H: power type
06 - 1064 nm	01 - 1 W	1 - FC/UPC	B - 250 μ m Panda fiber	Q - 0.75 m	F - fast axis blocked	1 - PM 980 panda fiber	P - Pulsed
XX - Other	02 - 2 W	2 - FC/APC	L - 900 μ m loss tube	X - other	B - both axes working	X - other	C - CW
	XX: other	3 - SC/UPC	X - other				
		4 - SC/APC					
		N - none					