

1064 nm Polarization Insensitive Ultra High-power Isolator

Model #: UHPI

Description: 1064 nm Polarization Insensitive Ultra High-power Isolator

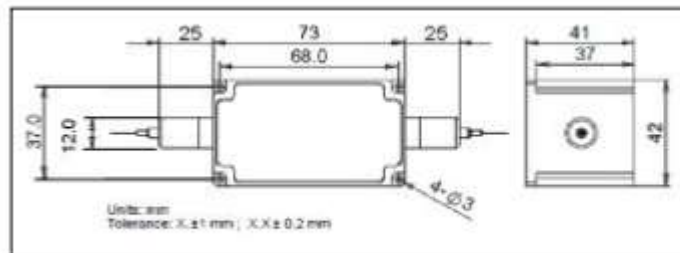
Application: Fiber amplifier, fiber laser.

Specifications:

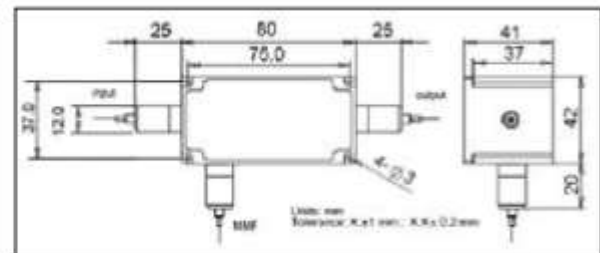
Parameter	Unit	Type A	Type B
Central Wavelength	nm	1064	
Operating Wavelength Range	nm	± 10	
Typ. Peak Isolation	dB	30	
Min. Isolation (λ_c , 23°C, all polarization states)	dB	25	
Typ. Insertion Loss (λ_c , 23°C)	dB	0.8	
Max. Insertion Loss (λ_c , 23°C)	dB	1.0	
Max. IL Output to Reflection (MMF)*		N/A	1.0
Min. Return Loss (input / output)	dB	50/50	
Max. Polarization Dependent Loss (23 °C)	dB	0.2	
Max. Optical Power (CW)	W	10	20
Max. Peak Power for ns Pulses	kW	10	
Max. Tensile Load	N	5	
MMF Fiber Type		N/A	MMF-105/125
Operation Temperature	°C	10 to +50	
Storage Temperature	°C	0 to +60	

*Note: MMF Port is to take out useless light signal.

Package Dimensions



Type A



Type B

Order Information: UHPI-A-B-CC-D-E-F

AA: wavelength	B: package type	CC: power handling	D: connector type	E: fiber jacket	F: fiber length	G: fiber Type	F: power type
06 - 1064 nm	A – Type A	03: 3 W	N – none	B - 250 μ m Panda fiber	1 – 1.0 m	1 – HI1060	P - Pulsed
XX - Other	B – Type B	10: 10 W		L - 900 μ m loss tube	X - other	2 – Nuferm FUD-3584 fiber	C - CW
		20 – 20 W		X - other		3 – Nuferm LMA-GDF-20/130-M	
		XX: other				X - other	