



# High Power Polarization Maintaining Isolator (HPMI Series)

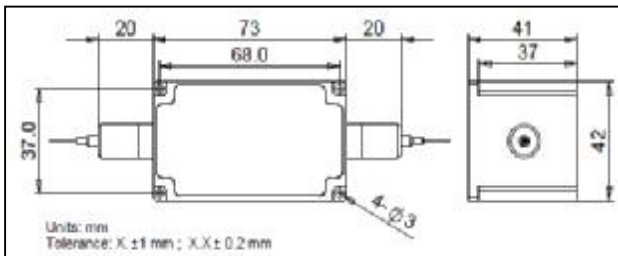
Rev 11H

The 1064 nm Polarization Maintaining Isolator is a micro optics device with low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It is ideal for amplifiers, fiber lasers and test instrument applications.

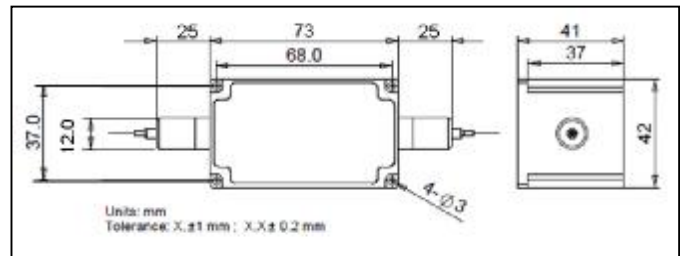
## Specifications

Parameter	Unit	Type A	Type B
Center Wavelength ( $\lambda_c$ )	nm	1064	
Operating Wavelength Range	nm	$\lambda_c \pm 10$	
Typ. Peak Isolation	dB	30	
Min. Isolation, $\lambda_c$ , 23°C	dB	25	
Typ. Insertion Loss, 23°C	dB	0.8	
Max. Insertion Loss, 23°C	dB	1	
Min. Extinction Ratio	dB	20	
Min. Return Loss (Input/Output)	dB	45/45	
Max. Average Optical Power	W	10	20
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type		PM 980 Panda fiber	
Operating Temperature	°C	10 to +50	
Storage Temperature	°C	0 to +60	

## Package Dimensions



Type A



Type B

## Ordering Information

HPMI-①①-②-③③-④-⑤-⑥-⑦-⑧-⑨

- |                                                                                            |                                              |                                                                   |                                                                               |
|--------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------|
| ①①: Wavelength<br>06 - 1064 nm<br>SS - Specify                                             | ②: Package Type<br>A - Type A<br>B - Type B  | ③③: Handling Power<br>10 - 10 W<br>20 - 20 W<br>SS - Specify      | ④: Connector Type<br>N - None                                                 |
| ⑤: Fiber Jacket<br>B - 250 $\mu$ m bare fiber<br>L - 900 $\mu$ m loose tube<br>S - Specify | ⑥: Fiber Length<br>Q - 0.75 m<br>S - Specify | ⑦: Working Axis<br>F - Fast axis blocked<br>B - Both axes working | ⑧: Fiber Type<br>1 - PM 980 Panda fiber<br>2 - Nufern FUD-3460<br>S - Specify |
| ⑨: Power Type<br>P - Pulsed<br>C - Continuous Wave                                         |                                              |                                                                   |                                                                               |