

# High Power 1064nm Polarization Maintaining Isolator—Type A

## Features

Low Insertion Loss  
High Power Handling  
High Isolation

## Applications

Optical Fiber Amplifier  
Instruments  
Fiber Laser  
Sensor Systems

## Specifications

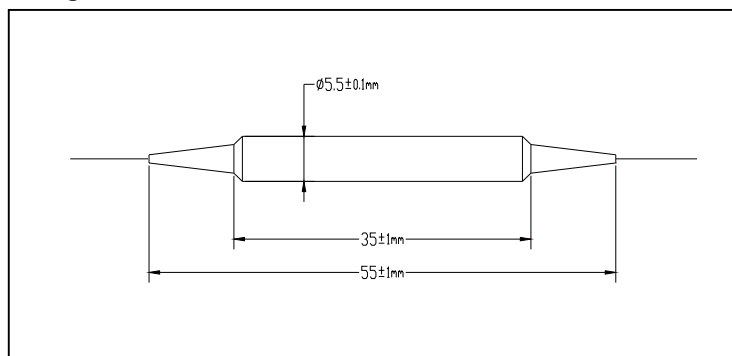
Parameters	Unit	Values			
		Single Stage		Dual Stage	
Grade		Grade P	Grade A	Grade P	Grade A
Center Wavelength ( $\lambda_c$ )	nm	1064			
Typ. Peak Isolation	dB	40	38	55	52
Min. Isolation at 23°C	dB	35	32	45	42
Typ. Insertion Loss at 23°C	dB	1.5	1.6	2.4	2.6
Max. Insertion Loss at -5°C-50°C	dB	1.8	2.0	3.2	3.4
Min. Return Loss (input/output)	dB	55 / 50	55 / 50	55/50	55/50
Min. Extinction Ratio (only for B Type)	dB	20	18	20	18
Min. Extinction Ratio (only for F Type)	dB	23	23	23	23
Max. Optical Power (CW)	mW	500			
Max. Tensile Load	N	5			
Fiber Type		PM 980 Panda Fiber			
Operating Temperature	°C	-5 to +50			
Storage Temperature	°C	-40 to +85			

\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

\*The PM fiber and the connector key are aligned to the slow axis.

## Package Dimensions



## Ordering Information

HPMI-①①-②-③-④-⑤-⑥⑥-⑦⑦-⑧

①①: Wavelength  
06 - 1064nm

②: Type  
A - Type A

③: Grade  
P - Premium Grade  
A - A Grade

④: Stage  
S - Single Stage  
D - Dual Stage

⑤: Axis Alignment  
F - Fast Axis Blocked  
B - Both Axis Working

⑥⑥: Connector Type on Port 1 & 2  
1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC  
4 - SC/APC  
N - None  
S - Specify

⑦⑦: Fiber Jacket on Port 1 & 2  
B - 250um Panda Fiber  
L - 900um Loose Tube Panda Fiber  
S - Specify

⑧: Fiber Length  
0.8 - 0.8m  
S - Specify