



# Polarization Maintaining Isolator

## Features

High Isolation  
 Low Insertion Loss  
 Large Aperture Features

## Applications

Fiber Lasers and Amplifiers  
 Optical Transmitters & Transceivers  
 Fiber Sensors

## Specifications

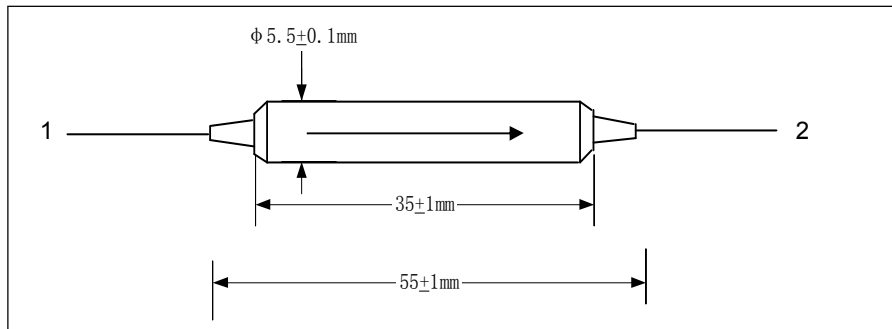
Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage			
Grade		Grade P	
Center Wavelength ( $\lambda_c$ )	nm	2000	
Operating Wavelength Range	nm	$\pm 50$	
Min. Isolation at 23°C	dB	20	35
Typ. Insertion Loss at 23°C	dB	1.0	1.2
Max. Insertion Loss at -5°C-70°C	dB	1.2	1.5
Min. Return Loss (Input/Output)	dB	50/50	50/50
Min. Extinction Ratio(only for B type)	dB	18	18
Min. Extinction Ratio(only for F type)	dB	20	20
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Fiber	
Operating Temperature	°C	-5 to +70	
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 and ER will be 2dB lower.

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

## Package Dimensions



## Ordering Information

**PMI-①①-②-③-④-⑤⑤-⑥⑥-⑦**

①①: Wavelength  
 20 - 2000nm

②: Grade  
 P - Premium Grade  
 A - A Grade

③: Stage  
 S - Single Stage  
 D - Dual Stage

④: Axis Alignment  
 F - Fast Axis Blocked  
 B - Both Axis Working

⑤⑤: Connector Type on Port 1 & 2  
 1 - FC/UPC  
 2 - FC/APC  
 3 - SC/UPC  
 4 - SC/APC  
 N - None  
 S - Specify

⑥⑥: Fiber Jacket on Port 1 &  
 B - 250um Fiber  
 C - 3mm Loose Tube  
 L - 900um Loose Tube  
 S - Specify

⑦: Fiber Length  
 0.8 - 0.8m  
 S - Specify