

# Polarization Maintaining Isolator

## Features

- High Isolation
- Low Insertion Loss
- Large Aperture Features

## Applications

- Fiber Optic Lasers
- Optical Transmitters & Transceivers
- Fiber Amplifiers
- Fiber Sensors

## Specifications

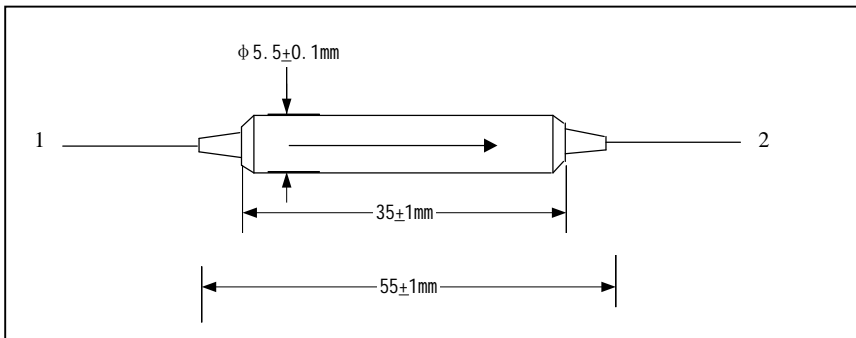
Parameters	Unit	Values			
		Single Stage		Dual Stage	
Grade		Grade P	Grade A	Grade P	Grade A
Center Wavelength (λc)	nm	1310, 1480 or 1550			
Operating Wavelength Range	nm	±20			
Typ. Peak Isolation	dB	42	40	58	55
Min. Isolation at 23°C	dB	28	26	48	45
Typ. Insertion Loss at 23°C	dB	0.4	0.5	0.5	0.6
Max. Insertion Loss at -5°C-70°C	dB	0.55	0.65	0.65	0.8
Min. Return Loss (Input/Output)	dB	55	55	55	55
Min. Extinction Ratio(only for B tyep)	dB	20	18	20	18
Min. Extinction Ratio(only for F type)	dB	25	23	25	23
Max. Optical Power (CW)	mW	500			
Max. Tensile Load	N	5			
Fiber Type		PM Panda 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

31 - 1310nm

48 - 1480nm

55 - 1550nm

SS - Specify

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 & 2

B - 250um Fiber

D - 400um Fiber

L - 900um Loose Tube

S - Specify

⑦: Fiber Length

0.8 - 0.8m

S - Specify