1064nm Polarization Maintaining Isolator

(PMI Series)

The 1064nm 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 instruments application.

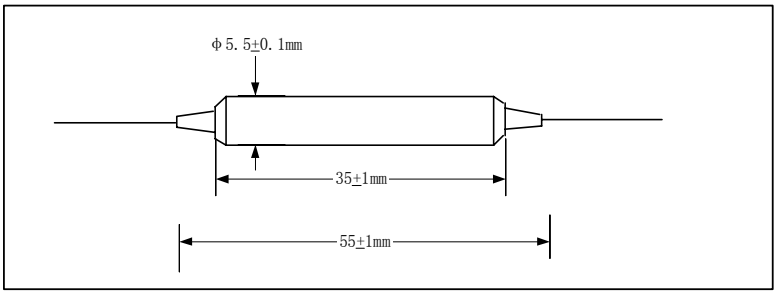
Specifications

Parameters	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Center Wavelength (λc)	nm		1064		
Min. Extinction Ratio	dB	20	18	20	18
Typ. Peak Isolation	dB	38	36	55	52
Min. Isolation at 23℃;λc,all polarization states	dB	35	32	45	42
Typ. Insertion Loss at 23℃;λc,all polarization states	dB	1.5	1.6	2.4	2.6
Max. Insertion Loss at -5℃-50℃;λc,all polarization states	dB	2.0	2.2	3.4	3.6
Min. Return Loss (input/output)	dB	55 / 50	55 / 50	55/50	55/50
Max. Optical Power	mW		300		
Max. Tensile Load	N		5		
Fiber Type			PM 980 Panda Fiber or Specify		
Operating Temperature	℃		-5 to +50		
Storage Temperature	℃		-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.

Package Dimensions



Ordering Information

PMI-06-①-②-③-④-⑤

①: Stage

1- Single Stage
2- Dual Stage

②: Grade

P - Premium grade
A - A grade

③: Connector Type

1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

④: Fiber Type

B - 250um Panda Fiber
D - 400um Panda Fiber
L - 900um loose tube Panda Fiber
S - Specify

⑤: Fiber Length

Q - 0.75m
S - Specify

Remark: The PM fiber and the connector key are aligned to the slow axis