



## Polarization Maintaining Isolator (PMI Series)

The Polarization Maintaining Isolator is characterized with low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It is ideal for polarization maintaining Fiber Amplifier, Fiber Laser, high speed communication systems and instrumentation applications.



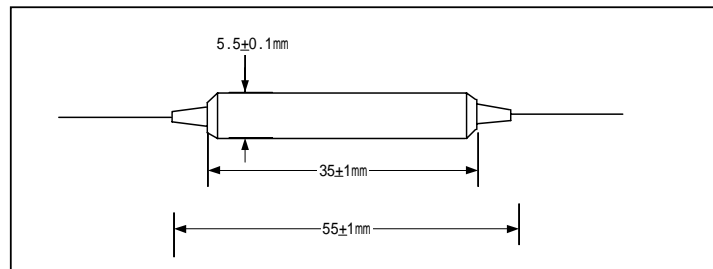
### Specifications

Parameters	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Center Wavelength ( $\lambda_c$ )	nm		1310, 1480 or 1550		
Min. Extinction Ratio	dB	20	18	20	18
Typ. Peak Isolation	dB	42	40	58	55
Min. Isolation at $23^\circ$ ; $\lambda_c \pm 15\text{nm}$ , all polarization states	dB	32	30	46	45
Typ. Insertion Loss at $23^\circ$ ; $\lambda_c \pm 20\text{nm}$ , all polarization states	dB	0.4	0.5	0.5	0.7
Max. Insertion Loss at $-5^\circ$ $-70^\circ$ ; $\lambda_c \pm 20\text{nm}$ , all polarization states	dB	0.6	0.8	0.65	0.9
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			Panda PM Fiber or Specify		
Operation Temperature			-5 to +70		
Storage Temperature			-40 to +85		

\*Above specification are for device without connector.

\*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

### Package Dimensions



### Ordering Information

PMI- - - - -

:Stage	: Connector Type	: Fiber Length
1-Single stage	1 - FC/UPC	Q - 0.75 m
2-Dual stage	2 - FC/APC	S - Specify
	3 - SC/APC	
	4 - SC/UPC	
: Wavelength	S - Specify	
31 - 1310nm	N - None	
48 - 1480nm		
55 - 1550nm		
SS - Specify	: Fiber Type	
	B - 250 um panda fiber	
: Grade	D - 400 um panda fiber	
P - Premium grade	L - 900 um loose tube panda fiber	
A - A grade	S - Specify	

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