



## High Power Polarization Maintaining (PMI Series)

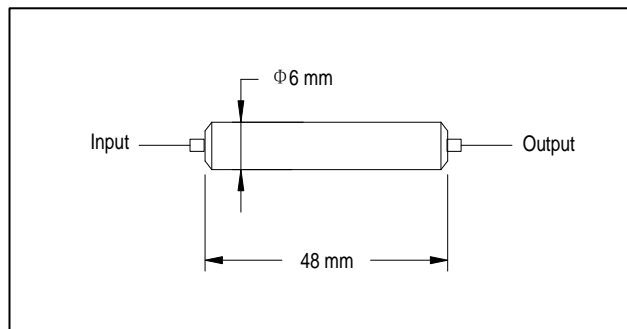
Rev 10

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 amplifiers, fiber lasers, high speed communication systems and instrumentation applications.

### Specifications

Parameter	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, $\lambda_c \pm 10$ nm, 23 °C, all polarization states	dB	30	28	46	45
Typ. Insertion Loss, $\lambda_c \pm 20$ nm, 23 °C, all polarization states	dB	0.4	0.5	0.5	0.7
Max. Insertion Loss, $\lambda_c \pm 20$ nm, all temperature, all polarization states	dB	0.6	0.7	0.7	0.9
Min. Return Loss (Input/Output)	dB	55/50	55/50	55/50	55/50
Max. Optical Power (Continuous Wave or Average Power)	W	10			
Max. Peak Power for ns pulse (Only for pulse application type)	KW	10			
Max. Tensile Load	N	5			
Fiber Type		PM Panda fiber or specify			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to +85			

### Package Dimensions



### Ordering Information

PMI-①-②②-③-④-⑤-B

PMI-①-②②-③-④-⑤-B-P

①: Stage

1 - Single stage

2 - Dual stage

③: Grade

P - Premium

A - A grade

④: Connector Type

B - 250  $\mu$ m Panda fiber

D - 400  $\mu$ m Panda fiber

L - 900  $\mu$ m loose tube

S - Specify

⑤: Fiber Type

Q - 0.75 m

S - Specify

②②: Wavelength

31 - 1310 nm

48 - 1480 nm

55 - 1550 nm

SS - Specify

⑥: Working Axis

B - Both axes working