

## 1064 nm Polarization Maintaining Isolator

Model #: PMI

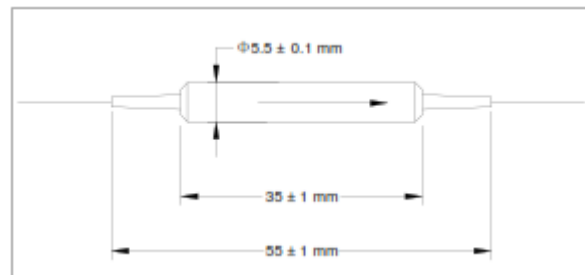
Description: 1064 nm polarization maintaining isolator

Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications			
		Single Stage		Dual Stage	
		P Grade	A Grade	P Grade	A Grade
Central Wavelength $\lambda_c$	nm	1064			
Typ. Insertion Loss ( $\lambda_c$ , 23 °C)	dB	1.5	1.6	2.4	2.6
Max. Insertion Loss ( $\lambda_c$ , all temperature)	dB	2.0	2.2	3.4	3.6
Typ. Peak Isolation	dB	38	36	55	52
Min. Isolation ( $\lambda_c$ , 23 °C )	dB	35	32	45	42
Min. Polarization Extinction Ratio	dB	20	18	20	18
Min. Return Loss (Input / Output)	dB	55/50			
Max. Optical Power (CW)	mW	300			
Max. Peak Power for ns Pulse	kW	10			
Max. Tensile Load	N	5			
Operating Temperature	°C	-5 to +50			
Storage Temperature	°C	-40 to + 85			
Dimension	mm	5.5 (D) x 35 (L)			
Fiber Type		PM Panda fiber			

Note: each connector may contribute extra 0.5 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.



### Order Information:

PMI-06-A-B-C-D-E-F-G

A: isolator stage	B: grade	C: connector type	D: fiber jacket	E: fiber length	F: working axis	G: signal type
1 – single stage	P – P grade	1 - FC/UPC	B – 250 $\mu$ m PM fiber	Q – 0.75 m	F – fast axis blocked	P – pulse
2 – dual stage	A – A grade	2 - FC/APC	D - 400 $\mu$ m PM fiber	X - other	B – both axes working	C - CW
		3 - SC/UPC	L - 900 $\mu$ m loss tube			
		4 - SC/APC	X - other			
		N - none				
		X - other				