Advanced Fiber Resources (Hong Kong), Ltd.

1064 nm Polarization Maintaining Isolator (PMI Series)

Rev 11

The 1064 nm 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 instrument applications.

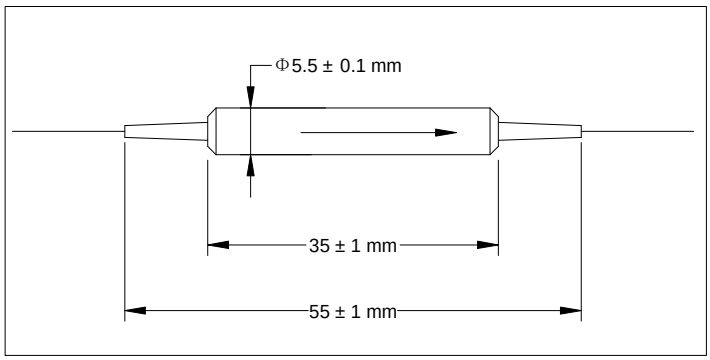
Specifications

Parameter	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Center Wavelength (λc)	nm	1064			
Typ. Peak Isolation	dB	38	36	55	52
Min. Isolation, λc, 23 ℃	dB	35	32	45	42
Typ. Insertion Loss, λc, 23 ℃	dB	1.5	1.6	2.4	2.6
Max. Insertion Loss, λc, all temperature	dB	2.0	2.2	3.4	3.6
Min. Extinction Ratio	dB	20	18	20	18
Min. Return Loss (Input/Output)	dB	55/50	55/50	55/50	55/50
Max. Average Optical Power	mW	300			
Max. Peak Power for ns Pulse	kW	10			
Max. Tensile Load	N	5			
Fiber Type		PM 980 Panda fiber			
Operating Temperature	℃	-5 to +50			
Storage Temperature	℃	-40 to +85			

*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.

*Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMI-06-①-②-③-④-⑤-⑥-⑦

①: Stage	②: Grade	③: Connector Type		④: Fiber Jacket
1 - Single stage	P - Premium	1 - FC/UPC	4 - SC/APC	B - 250 μm Panda fiber
2 - Dual stage	A - A grade	2 - FC/APC	N - None	L - 900 μm loose tube
		3 - SC/UPC	S - Specify	S - Specify

⑤: Fiber Length	⑥: Working Axis	⑦: Power Type
Q - 0.75 m	F - Fast axis blocked	P - Pulse Application
S - Specify	B - Both axis working	C - Continuous Wave

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