



2 μ m Polarization Maintaining Isolator (PMI Series)

Rev 11B

The 2 μ m Polarization Maintaining Isolator is designed and manufactured according to Telcordia standard. The unique manufacturing process and optical path epoxy-free design enhance the device high power handling capability. The device is characterized with high performance, high reliability. It was designed specially for 2 μ m laser system.

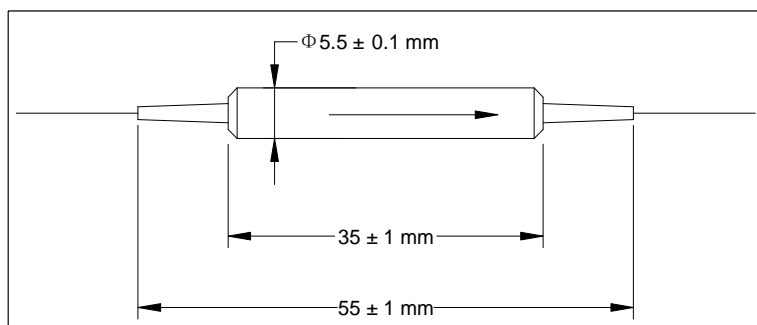
Specifications

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	2000	
Min. Extinction Ratio	dB	18	18
Min. Isolation, $\lambda_c \pm 50$ nm, 23 $^{\circ}$ C, all polarization states	dB	16	35
Max. Insertion Loss, $\lambda_c \pm 20$ nm, 23 $^{\circ}$ C, all polarization states	dB	1.3	1.5
Min. Return Loss (Input/Output)	dB	50	50
Max. Average Optical Power	W	1 or 2	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Panda fiber	
Operating Temperature	$^{\circ}$ C	-5 to +70	
Storage Temperature	$^{\circ}$ C	-40 to +85	

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

**The Optical Power is 1 W only for connector added.

Package Dimensions



Ordering Information

PMI-①①①①-②-③-④-⑤-⑥-⑦-⑧

①①①①: Wavelength

2000 - 2000 nm

SSSS - Specify

②: Handling Power

1 - 1 W

2 - 2 W

S - Specify

③: Stage

1 - Single Stage

2 - Dual Stage

④: Connector Type

1 - FC/UPC 4 - SC/APC

2 - FC/APC N - None

3 - SC/UPC S - Specify

⑤: Fiber Jacket

B - 250 μ m Panda fiber

L - 900 μ m loose tube

S - Specify

⑥: Fiber Length

Q - 0.75 m

S - Specify

⑦: Working Axis

F - Fast axis blocked

B - Both axis working

⑧: Power Type

P - Pulse Application

C - Continuous Wave