

Polarization Maintaining Isolator

Features

High Isolation
 Low Insertion Loss
 Large Aperture Features

Applications

Optical Fiber Amplifier
 Fiber Optic Sensor
 Instrumentation
 R&D
 Fiber Lasers
 Radar

Specifications

Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage		Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	2000	
Operating Wavelength Range	nm	± 50	
Min. Isolation at 23°C	dB	18	32
Typ. Insertion Loss at 23°C	dB	0.8	1.0
Max. Insertion Loss at -5°C-70°C	dB	1.1	1.3
Min. Extinction Ratio(only for B type)	dB	18	
Min. Extinction Ratio(only for F type)	dB	20	
Min. Return Loss (Input/Output)	dB	50/50	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Fiber , PM 1950 Fiber or Specify	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

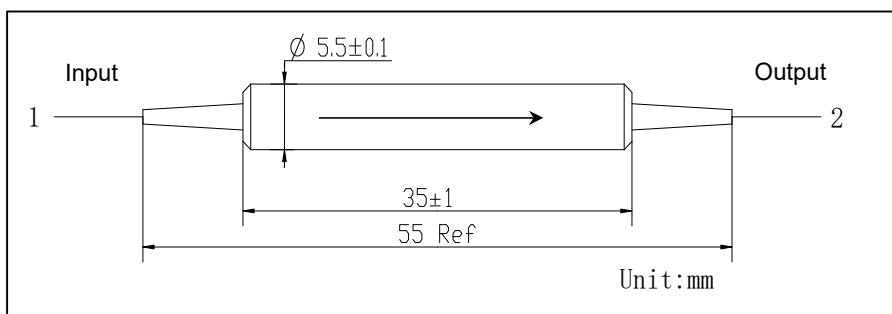
*Above specifications are for device without connector.

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

*The PM fiber and the connector key are aligned to the slow axis.

* The material must be RoHS compliant.

Package Dimensions



Ordering Information

PMI-①-②-③-④④-⑤⑤-⑥-⑦-⑧⑧

①: Wavelength
 2000 - 2000nm
 S - Specify

②: Stage
 S - Single Stage
 D - Dual Stage

③: Axis Alignment
 F - Fast Axis Blocked
 B - Both Axis Working

④④: Connector Type on Port 1 &2
 1B - FC/UPC
 2B - FC/APC (Step)
 3D - SC/UPC
 4D - SC/APC (Step)
 N - None
 S - Specify

⑤⑤: Fiber Jacket on Port 1 &2
 B - Bare Fiber
 C - 900um Red Loose Tube
 SS - Specify

⑥: Fiber Type
 3B - PM 1550
 B10 - PM 1950
 S - Specify

⑦: Fiber Length
 0.8 - 0.8m
 S - Specify

⑧⑧: Package Type
 01 - $\varnothing 5.5 \times 35$
 S - Specify