



Optizone

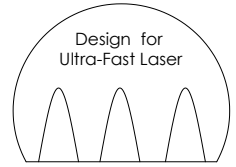
1064nm Polarization Maintaining Isolator (Ultra-Fast Fiber Lasers)

Features

High Extinction Ratio
Low Insertion Loss
High Power Handling
High Isolation

Applications

Ultra-Fast Fiber Lasers
Optical Fiber Amplifier
Instruments
Fiber Laser
Sensor Systems



Specifications

Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Grade		Grade P	
Center Wavelength (λ_c)	nm	1064	
Typ. Peak Isolation	dB	40	55
Min. Isolation at 23°C	dB	35	45
Typ. Insertion Loss at 23°C	dB	1.5	2.4
Max. Insertion Loss at -5°C-50°C	dB	1.8	3.2
Min. Return Loss (Input/Output)	dB	55/50	55/50
Min. Extinction Ratio (only for B Type)	dB	20	20
Min. Extinction Ratio (only for F Type)	dB	23	23
Max. Average Optical Power (Proper SOP)	mw	300	
Max. Peak Power for ps Pulse (Proper SOP)	KW	0.5, 1 or Specify	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +50	
Storage Temperature	°C	-40 to +85	

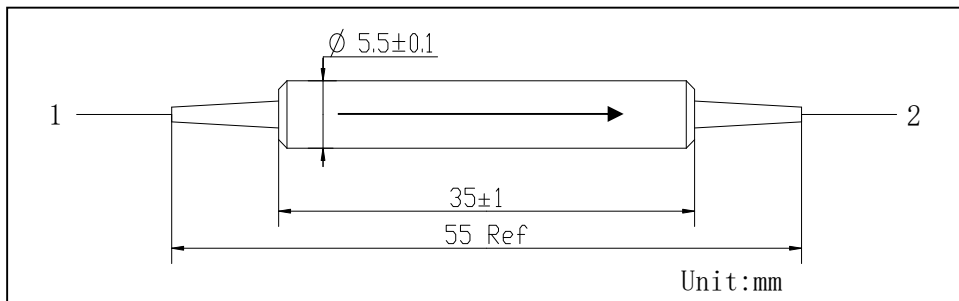
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.5dB higher, RL will be 5dB lower, ER will be 2dB lower and optical power is only 1W(CW).

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

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

PMI-UF-①-②-③-④④-⑤-⑥⑥-⑦⑦-⑧-⑨-⑩⑩

①: Wavelength
1064 - 1064nm

②: Grade
P - Premium Grade

③: Stage
S - Single Stage
D - Dual Stage

④④: Average /Peak Power
0.3/0.5 - 0.3W /0.5kW
S - Specify

⑤: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

⑥⑥: Connector Type on Port 1 &2
1B - FC/UPC
2B - FC/APC (Step)
3D - SC/UPC
4D - SC/APC (Step)
N - None
S - Specify

⑦⑦: Fiber Jacket on Port 1 &2
B - Bare Fiber
C - 900um Red Loose Tube
S - Specify

⑧: Fiber Type
1B - PM 980
S - Specify

⑨: Fiber Length
0.8 - 0.8m
S - Specify

⑩⑩: Package Type
01 - Ø5.5×35