Optizone 1064nm Polarization Maintaining Isolator

Features

Low Insertion Loss
High Power Handling
High Isolation

Applications

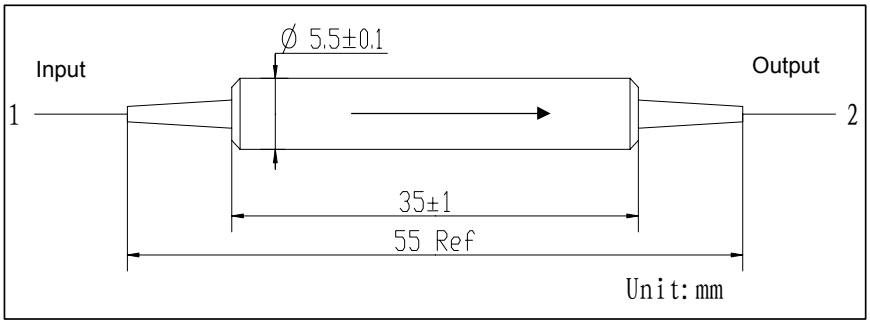
Optical Fiber Amplifier
Instruments
Fiber Laser
Sensor Systems

Specifications

Parameters	Unit	Values			
Stage		Single Stage		Dual Stage	
Grade		Grade P	Grade A	Grade P	Grade A
Center Wavelength (λc)	nm	1064			
Typ. Peak Isolation	dB	40	38	55	52
Min. Isolation at 23℃	dB	35	32	45	42
Typ. Insertion Loss at 23℃	dB	1.5	1.6	2.4	2.6
Max. Insertion Loss at -5℃-50℃	dB	1.8	2.0	3.2	3.4
Min. Return Loss (Input/Output)	dB	55/50	55/50	55/50	55/50
Min. Extinction Ratio (only for B Type)	dB	20	18	20	18
Min. Extinction Ratio (only for F Type)	dB	23	23	23	23
Max. Optical Power (CW)	mW	300			
Max. Tensile Load	N	5			
Fiber Type		PM 980 Panda Fiber			
Operating Temperature	℃	-5 to +50			
Storage Temperature	℃	-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.

Package Dimensions



Ordering Information

PMI-①①-②-③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength
06 - 1064nm

②: Grade
P - Premium Grade
A - A Grade

③: Stage
S - Single Stage
D - Dual Stage

④: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

⑤⑤: Connector Type on Port 1 & 2
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2
B - 250um Panda Fiber
L - 900um Loose Tube Panda Fiber
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify