



High Power 1064nm Polarization Maintaining Isolator—Type A1

Features

Low Insertion Loss
High Power Handling
High Isolation

Applications

Optical Fiber Amplifier
Instruments
Fiber Laser
Sensor Systems

Specifications

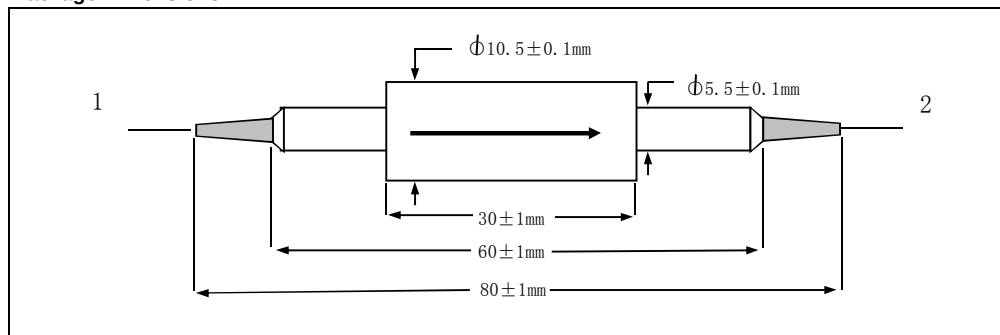
Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	1064	
Typ. Peak Isolation	dB	40	55
Min. Isolation at 23°C	dB	35	45
Typ. Insertion Loss at 23°C	dB	1.5	2.4
Max. Insertion Loss at -5°C-50°C	dB	1.7	3.2
Max. Insertion Loss at 500mw Optical Power	dB	1.8	3.5
Min. Return Loss (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. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM 980 Panda Fiber	
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 0.3dB 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

HPMI-①①-②-③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength

06 - 1064nm

②: Type

A1 - Type A1

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