



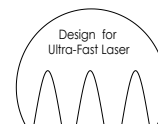
High Power Polarization Maintaining Isolator (Ultra-Fast Fiber Lasers)

Features

- 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
Isolator Type		A43	A182
Center Wavelength	nm	1064 or Specify	
Typ. Peak Isolation	dB	35	50
Min. Isolation at 23°C	dB	28	45
Typ. Insertion Loss at 23°C	dB	1.6	2.5
Max. Insertion Loss at 23°C	dB	1.8	3.0
Max. Insertion Loss at 1064nm @ 1.0W , 23°C	dB	2.0	3.1
Max. Insertion Loss at 1064nm @ 1.5W , 23°C	dB	2.3	3.3
Max. Insertion Loss at 1064nm @ 2.0W , 23°C	dB	2.5	3.6
Min. Return Loss (Port 1 & 2)	dB	50/50	
Min. ER at 23°C (F-Type)	dB	22	
Min. ER at 23°C (B-Type)	dB	20	
Max. Optical Average Power	W	2.0 or specify	2.0 or specify
Max. Peak Power for ns Pulse	kW	10 @ 1ns	
Max. Peak Power for ps Pulse	kW	100	
Max. Tensile Load	N	5	
Operating Temperature	°C	+10 to +50	
Storage Temperature	°C	0 to +75	

*For pulse applications, pls discuss with Optizone Technology.

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

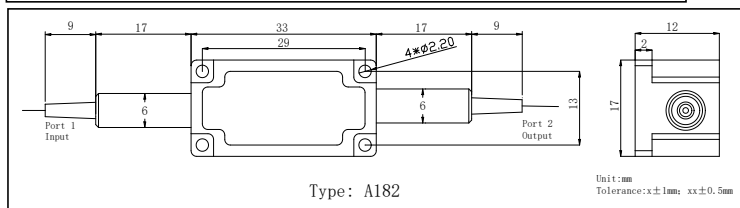
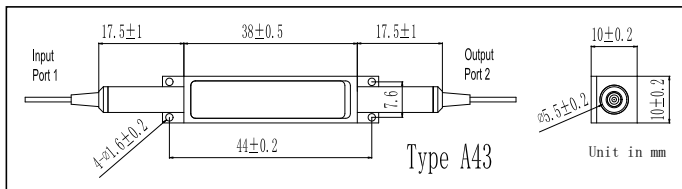
*Above specifications are for device without connector.

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

*The maximum power is the sum of the powers in the forward and backward directions.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

HPMI-UF-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧

①①: Wavelength
06 - 1064nm
SS - Specify

④④: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

⑥⑥: Fiber Jacket on Port 1 & 2
B - Bare Fiber
L - 900um Loose Tube
SS - Specify

②②: Package Type
A43 - Type A43
A182 - Type A182

⑤⑤: Connector Type on Port 1 & 2
1 - FC/UPC
2 - FC/APC
3 - SC/UPC

⑦⑦: Fiber Length
0.8 - 0.8m
SS - Specify

③③: Handling Power
01 - 1W
02 - 2W
SS - Specify

④④: Connector Type on Port 1 & 2
N - None
SS - Specify

⑧⑧: Fiber Type
1 - PM 980 Fiber
45 - Nufern PLMA -GDF-10/125-M NA0.075 Fiber
65 - Nufern PM1060L 10/125 GSF NA0.085 Fiber
79 - YSL PM 10/125 NA0.085 Fiber
SS - Specify