

# 1064nm High Power Polarization Maintaining Isolator—Type A43/B43

## Features

Low Insertion Loss  
High Power Handling  
High Isolation

## Applications

Optical Fiber Amplifier  
Instruments  
Fiber Laser  
Sensor Systems

## Specifications

Parameters	Unit	Values	
		A43	B43
Isolator Type		A43	B43
Center Wavelength	nm	1064	
Operating Wavelength Range	nm	±5	
Typ. Peak Isolation	dB	35	
Min. Isolation at 23°C	dB	28	
Typ. Insertion Loss at 23°C	dB	1,6	1,7
Max. Insertion Loss at 23°C	dB	1,8	1,9
Max. Insertion Loss at 1064nm @ 1.0W , 23	dB	2,0	2,1
Max. Insertion Loss at 1064nm @ 1.5W , 23	dB	2,5	2,3
Max. Insertion Loss at 1064nm @ 2.0W , 23	dB	--	2,5
Min. Return Loss (Input/Output)	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 (CW)	W	1.0 or specify	2.0 or specify
Max. Peak Power for ns Pulse	kW	10 @ 1ns	
Max. Tensile Load	N	5	
Fiber Type	-	PM 980 Panda Fiber	
Operating Temperature	°C	-5 to +50	
Storage Temperature	°C	-20 to +75	

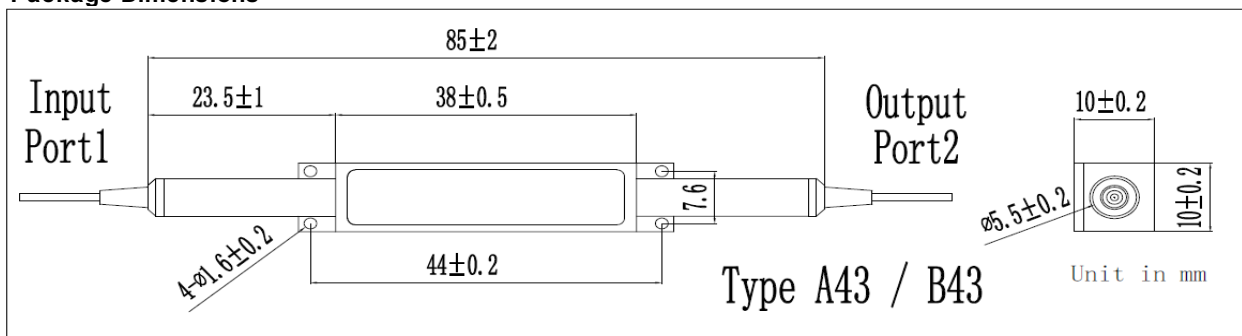
\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.7dB higher, RL will be 5dB lower , ER will be 2dB lower and optical power is only 1W ( CW ) .

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

\*The material must be RoHS compliant.

## Package Dimensions



## Ordering Information

HPMI-①①-②②②-③③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength  
06 - 1064nm

②②②: Package Type  
A43 - Type A43  
B43 - Type B43

③③: Handling Power  
01 - 1W  
02 - 2W  
R - Refer to specification

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 Bare Fiber  
L - 900um Loose Tube  
S - Specify

⑦: Fiber Length  
1 - 1.0m  
S - Specify