Aistana

1064nm High Power Polarization Maintaining Isola
—Type A43/B43

Features

Low Insertion Loss
High Power Handling
High Isolation

Applications

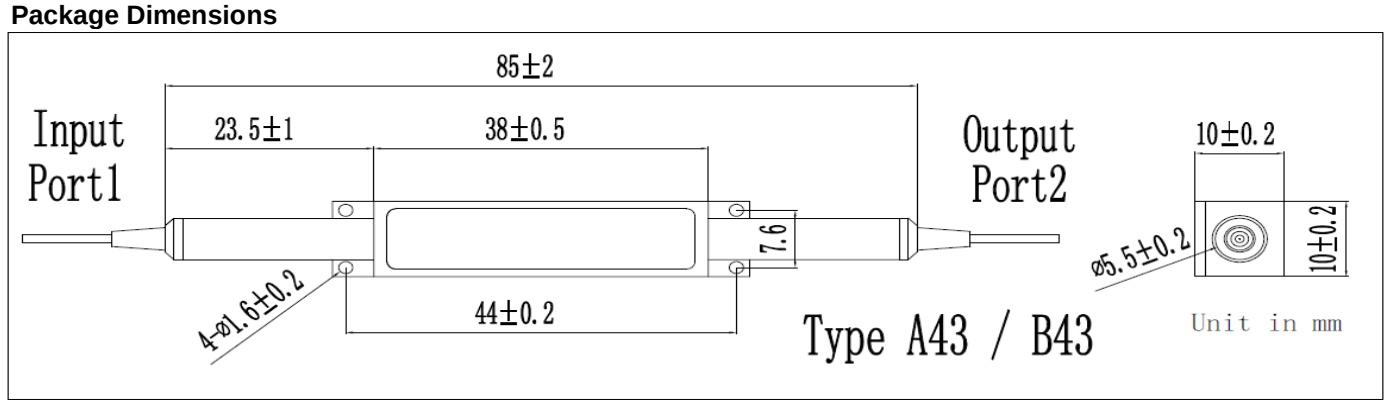
Optical Fiber Amplifier
Instruments
Fiber Laser
Sensor Systems

Specifications

Parameters	Unit	Values	
Isolator Type		A43	B43
Center Wavelength	nm	1064	
Operating Wavelength Range	nm	±5	
Typ. Peak Isolation	dB	35	
Min. Isolation at 23℃	dB	28	
Typ. Insertion Loss at 23℃	dB	1.6	1.7
Max. Insertion Loss at 23℃	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℃ (F-Type)	dB	22	
Min. ER at 23℃ (B-Type)	dB	20	
Max. Optical Power (CW)	W	1.0 or specify	2.0 or specify
Max. Peak Power for pulse	kW	10 @ 1ns	
Max. Tensile Load	N	5	10
Fiber Type		PM 980 Panda Fiber	
Operating Temperature	℃	-5 to +50	
Storage Temperature	℃	-20 to +75	

*Above specifications are for device without connector.
For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower , ER will be 2dB lower and optical power is only 1W.
*The PM fiber and connector key are aligned to the slow axis.

Package Dimensions



Ordering Information

AHPMI-①①-②②②-③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength
06 - 1064nm

②: Type
A43 - Type A43
B43 - Type B43

③: Handling Power
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