Aistana

# High Power 1064nm Polarization Maintaining Isolator—Type A1

**Features**

Low Insertion Loss
High Power Handling
High Isolation

**Applications**

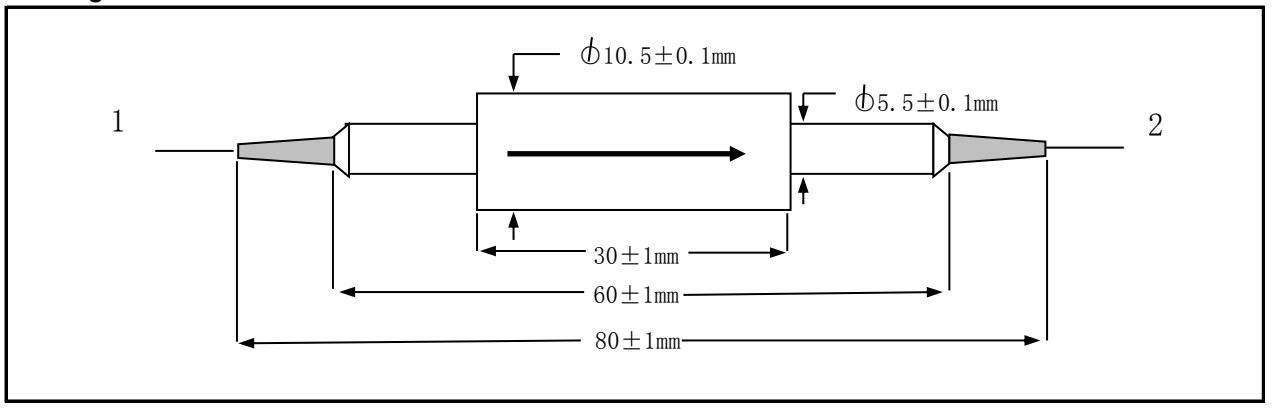
Optical Fiber Amplifier
Instruments
Fiber Laser
Sensor Systems

**Specifications**

| Parameters | Unit | Values | |
|---|---|---|---|
| Stage | | Single Stage | Dual Stage |
| Center Wavelength (λc) | nm | 1064 | |
| Typ. Peak Isolation | dB | 40 | 55 |
| Min. Isolation at 23℃ | dB | 35 | 45 |
| Typ. Insertion Loss at 23℃ | dB | 1.5 | 2.4 |
| Max. Insertion Loss at -5℃-50℃ | 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 | ℃ | -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**

**AHPMI**-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