# 1064nm Polarization Insensitive Isolator

**Features**

Low Insertion Loss
High Power Handling
High Isolation
Low PDL
Low Cost

**Applications**

Optical Fiber Amplifier
Fiber Optic Sensor
Instrumentation

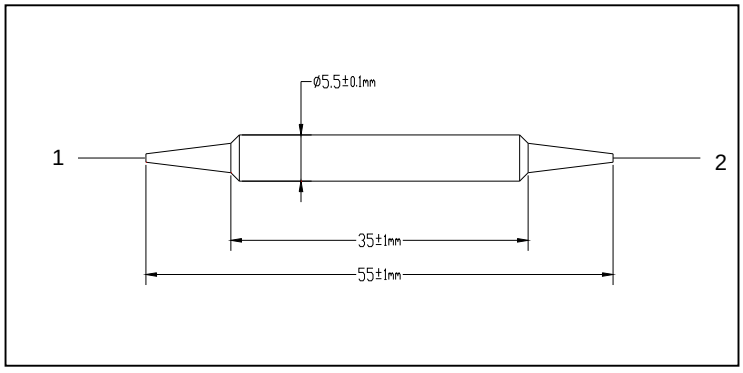
**Specifications**

| Parameters | Unit | Values | | | |
|---|---|---|---|---|---|
| Stage | | Single Stage | | Dual Stage | |
| Grade | | Grade P | Grade A | Grade P | Grade A |
| Center Wavelength | nm | 1064 | | | |
| Operating Wavelength Range | nm | ±5 | | | |
| Typ. Peak Isolation | dB | 40 | 38 | 55 | 52 |
| Min. Isolation at 23℃ | dB | 30 | 28 | 45 | 42 |
| Typ. Insertion Loss at 23℃ | dB | 1.4 | 1.5 | 2.3 | 2.5 |
| Max. Insertion Loss at -5℃ to 50℃ | dB | 1.8 | 2.0 | 3.2 | 3.4 |
| Min. Return Loss (Input/Output) | dB | 55/50 | 55/50 | 55/50 | 55/50 |
| Max. PDL at 23℃ | dB | 0.15 | 0.15 | 0.15 | 0.15 |
| Max. Optical Power (CW) | mW | 300 | | | |
| Max. Tensile Load | N | 5 | | | |
| Fiber Type | | HI 1060 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 and RL will be 5dB lower.

**Package Dimensions**




**Ordering Information**

**PII-**①①-②-③-④④-⑤⑤-⑥

①①: Wavelength
06 - 1064nm

②: Grade
P - Premium Grade
A - A Grade

③: Stage
S - Single Stage
D - Dual Stage

④④: Connector Type on Port 1 & 2
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2
B - 250um Bare Fiber
L - 900um Loose Tube
C - 3mm Loose Cable
S - Specify

⑥: Fiber Length
1 - 1.0m
S - Specify