

Optizone 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

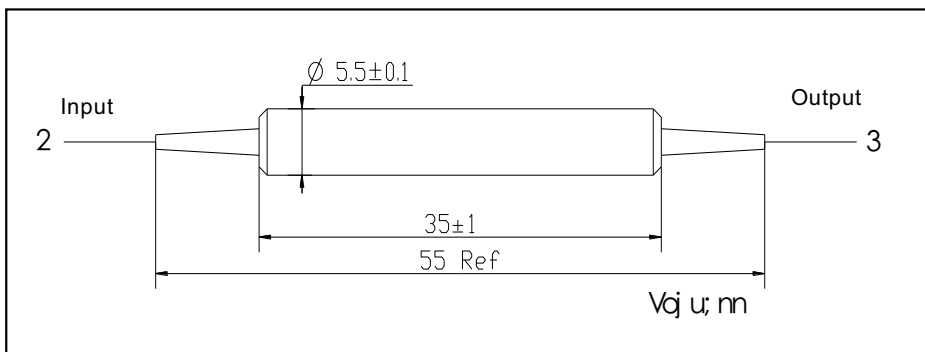
Specifications

| Parameters | Unit | Values | | | |
|-------------------------------------|------|---------------|---------|------------|---------|
| | | 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°C | dB | 30 | 28 | 45 | 42 |
| Typ. Insertion Loss at 23°C | dB | 1,4 | 1,5 | 2,3 | 2,5 |
| Max. Insertion Loss at -5°C to 50°C | 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°C | 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 | °C | -5 to +50 | | | |
| Storage Temperature | °C | -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

- | | | |
|---|--|---|
| <p>①①: Wavelength 06 - 1064nm</p> <p>②: Grade P - Premium Grade A - A Grade</p> <p>③: Stage S - Single Stage D - Dual Stage</p> | <p>④④: Connector Type on Port 1 & 2 1 - FC/UPC 2 - FC/APC 3 - SC/UPC 4 - SC/APC N - None S - Specify</p> | <p>⑤⑤: Fiber Jacket on Port 1 & 2 B - 250um Bare Fiber L - 900um Loose Tube C - 3mm Loose Cable S - Specify</p> <p>⑥: Fiber Length 1 - 1.0m S - Specify</p> |
|---|--|---|