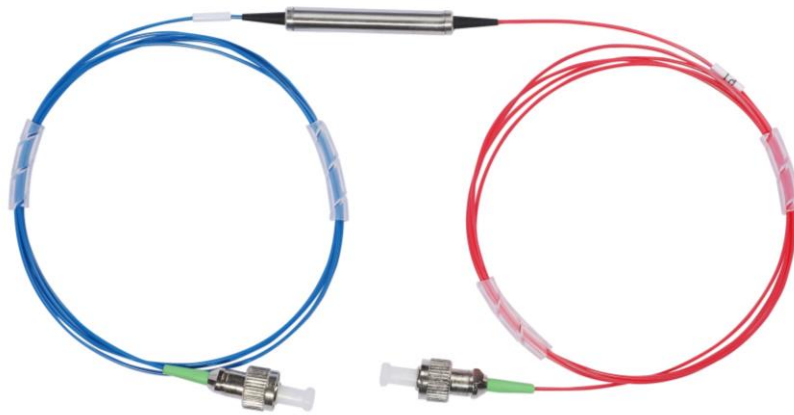


1064nm Polarization Insensitive Isolator Datasheet

AN IDEAL OPTICAL DEVICE FOR OPTICAL FIBER AMPLIFIER/FIBER OPTIC SENSOR/INSTRUMENTATION



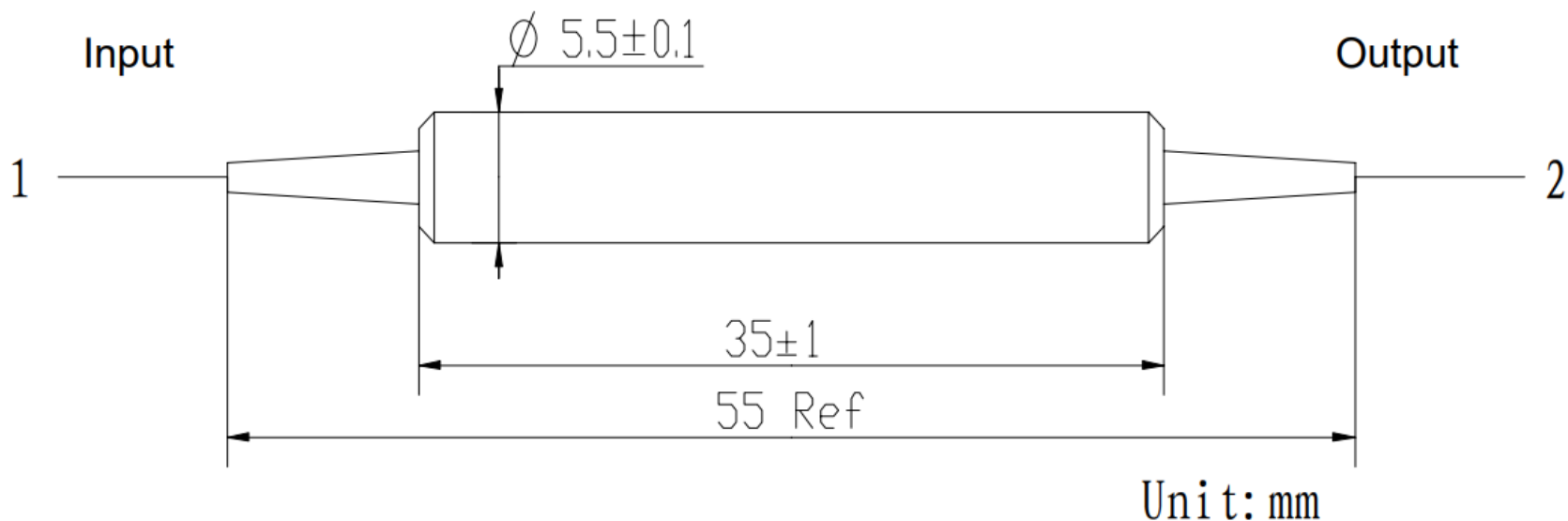
• Description

OPTICO 1064 nm Polarization Insensitive Isolator features a compact package, low insertion loss, high isolation, high return loss and excellent environmental stability and reliability. With unique design, the device can handle very high peak power. It is ideal for suppressing back reflection in fiber lasers and other high performance laser based fiber optics systems.

• Features

- Low insertion loss
- High Power Handling
- High Isolation
- Low PDL
- Low cost
- Widely used in Optical fiber Amplifier/Fiber Optic Sensor/Instrumentation.

• Drawing view(unit:mm):



Specifications:

- Above specifications are for device without connector.
- For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

| Parameter | 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@23°C(dB) | 30 | 28 | 45 | 42 |
| Typ. Insertion loss@23°C (dB) | 1.4 | 1.5 | 2.3 | 2.5 |
| Max. Insertion loss@-5~50°C (dB) | 1.8 | 2.0 | 3.2 | 3.4 |
| Min. Return loss(Input/Output)(dB) | 55/50 | | | |
| Max.PDL@23°C (dB) | 0.15 | | | |
| Max. Optical Power(CW)(mW) | 300 | | | |
| Max. Tnesile Load(N) | 5 | | | |
| Fiber Type | HI1060 Fiber | | | |
| Operating Temperature(°C) | -5~+50 | | | |
| Storage Temperature(°C) | -40~+85 | | | |

Ordering Information:

OP-①①-②③-④④-⑤⑤-⑥

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

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

