



# 1064nm Isolator Polarization Beam Combiner/Splitter

## Features

- Extremely Low Insertion Loss
- High Extinction Ratio
- High Return Loss

## Applications

- Raman Amplifier
- Fiber Laser

## Specifications

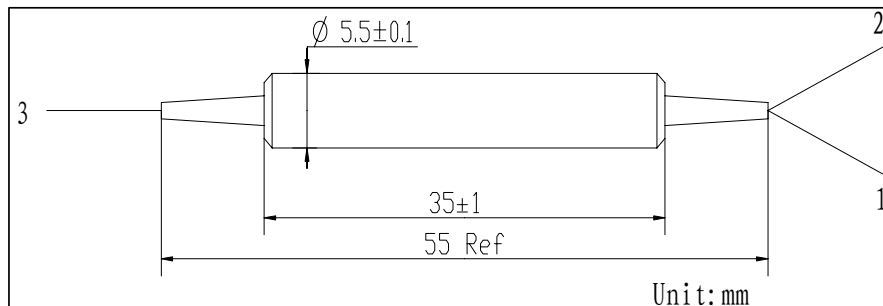
| Parameter                                 | Unit | Values                             |
|---|------|------------------------------------|
| Stage                                     |      | Single stage                       |
| Center Wavelength                         | nm   | 1064                               |
| Operating Wavelength Range                | nm   | ± 5                                |
| Min. Isolation at 23°C                    | dB   | 25                                 |
| Typ. Isolation                            | dB   | 35                                 |
| Typ. Insertion Loss                       | dB   | 1.8                                |
| Max. Insertion Loss                       | dB   | 2.1                                |
| Min. Return Loss                          | dB   | 50                                 |
| Min. Directivity                          | dB   | 50                                 |
| Min. Extinction Ratio (for Splitter only) | dB   | 20                                 |
| Max. Optical Power (CW)                   | mW   | 300                                |
| Max. Tensile Load                         | N    | 5                                  |
| Fiber Type                                |      | PM 980 Panda Fiber on port 1 and 2 |
| 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 0.5dB 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

IPBC-①①-②②②-③③③-④-⑤

IPBS-①①-②②②-③③③-④-⑤

①①: Wavelength

06 - 1064nm

SS - Specify

③③③: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

⑤: Fiber Length

0.8 - 0.8m

S - Specify

②②②: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Type on Port 3

1 - HI 1060 Fiber

2 - Slow Axis align 45° to Port 1

3 - Slow Axis align to Port 1

S - Specify