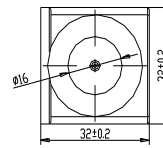
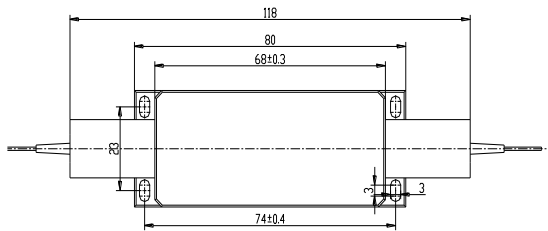


Broadband PM Optical Isolator 1050±50nm

The 1050±50nm Broadband Polarization Maintaining (PM) Optical Fiber Isolator is an in-line micro-optic component allows light to be transmitted only in the forward direction while blocking the backward transmission. It's built with PM Panda fiber and designed to maintain the polarization of the input light with high extinction ratio. The PM isolators are commonly used to protect lasers or amplifiers against back-reflected light. High power available upon request.



Features

- High Isolation
- High Extinction Ratio
- High Power Available upon Request

Applications

- Fiber Amplifier
- Fiber Laser
- Fiber Sensor
- High Speed Optical Communications Instrumentations

Performance Specification

| Parameter | Value | Unit |
|--|---|------|
| Center Wavelength | 1050 or customized | nm |
| Bandwidth | ±50 | nm |
| Typ. Peak Isolation | 33 | dB |
| Min. Isolation at 23°C | 26 | dB |
| Typ. Insertion Loss at 23°C | 1.0 | dB |
| Max. Insertion Loss at -5 to 50°C | 1.5 | dB |
| Min. Extinction Ratio for Fast Axis Blocked Type | 22 | dB |
| Min. Extinction Ratio for Both Axis Working Type | 20 | dB |
| Min. Return Loss | 50 | dB |
| Max. Optical Power (Continuous Wave) | 500 (higher power available upon request) | mW |
| Max. Tensile Load | 5 | N |
| Fiber Type | PM 980 Panda Fiber on Input & Output Port | |
| Operating Temperature | -5 to +50 | °C |
| Storage Temperature | -40 to +85 | °C |
| Package Dimension | | mm |

Note

- * 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.

Ordering Information

BPMI-AAAA-B-CC-DD-E

| AAAA | B | CC | DD | E |
|----------------|-----------------|--------------|--------------|---------------|
| Wavelength | Fiber Jacket | Fiber Length | Connector | Working Axis |
| 1050 - 1050nm | B - 250um Bare | 05 - 0.5m | NE - None | F - Fast Axis |
| 1064 - 1064nm | Fiber | 08 - 0.8m | FA - FC/APC | Blocked |
| SSSS - Specify | L - 900um Loose | 10 - 1.0m | FP - FC/PC | B - Both Axis |
| | Tube | 15 - 1.5m | SA - SC/APC | Operating |
| | | SS - Specify | SP - SC/PC | |
| | | | LA - LC/APC | |
| | | | LP - LC/PC | |
| | | | SS - Specify | |