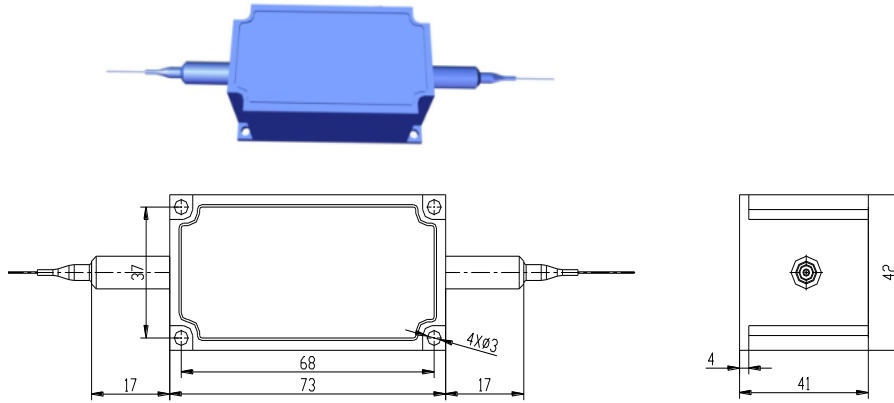


488 532 632 638 680 nm Visible Wavelength Polarization Maintaining (PM) Optical Isolator

The 488 532 632 638 680 nm Visible Wavelength Polarization Maintaining (PM) Optical Fiber Isolator is an in-line micro-optic component that 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.



Features

- High Isolation
- Low Insertion Loss
- Visible Wavelength
- High Extinction Ratio

Applications

- Biomedical Research
- Fiber Laser & Sensor
- Lab & Research

Performance Specification

| Parameter | Value | Unit |
|-------------------------------|-----------------------------------|------|
| Center Wavelength | 488 532 632 638 680 or customized | nm |
| Bandwidth | ±5 | nm |
| Typ. Insertion Loss at 23°C | 1.3 (1.6 for 488nm) | dB |
| Max. Insertion Loss at 23°C | 1.6 (2.0 for 488nm) | dB |
| Typ. Peak Isolation | 30 | dB |
| Min. Isolation at 23°C | 22 | dB |
| Min. Extinction Ratio at 23°C | 18 | dB |
| Min. Return Loss | 45 | dB |
| Max. Optical Power (CW) | 100 | mW |
| Max. Tensile Load | 5 | N |
| Fiber Type | PM Panda Fiber | |
| Operating Temperature | 25 to +45 | °C |
| Storage Temperature | -20 to +75 | °C |
| Package Dimension | | mm |

Note

* For devices with connectors, IL will be 1.0dB higher and RL will be 5dB lower.

* Specs or package size may change without notice, please confirm before placing order.

Ordering Information

KHPMI-AAA-BB-C-DD-EE-F

| AAA | BB | C | DD | EE | F |
|---------------|-----------------------|-----------------|--------------|--------------|---------------|
| Wavelength | Fiber Type | Fiber Jacket | Fiber Length | Connector | Working Axis |
| 488 - 488nm | P4 - Nufern PM 460 HP | B - 250um Bare | 05 - 0.5m | NE - None | B - Both Axis |
| 532 - 532nm | P6 - Nufern PM 630 HP | Fiber | 08 - 0.8m | FA - FC/APC | Operating |
| 632 - 632nm | SS - Specify | L - 900um Loose | 10 - 1.0m | FP - FC/PC | F - Fast Axis |
| 638 - 638nm | | Tube | 15 - 1.5m | SA - SC/APC | Blocked |
| 650 - 650nm | | | SS - Specify | SP - SC/PC | |
| 680 - 680nm | | | | LA - LC/APC | |
| 690 - 690nm | | | | LP - LC/PC | |
| SSS - Specify | | | | SS - Specify | |