



Opto-Link  
Corporation Ltd

# Polarization Maintaining Isolators

(Wavelength: 1064nm, Fast Axis Blocked)

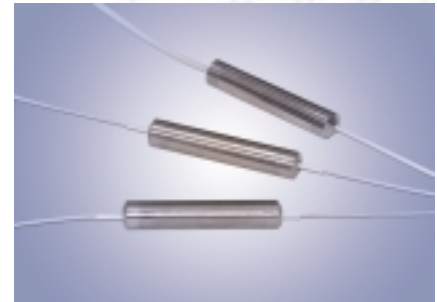
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction ratio, high isolation with low insertion loss over a wide wavelength range and excellent environmental stability and reliability.

## Applications

- DWDM Systems
- Fiber Optic Sensors
- EDFA
- CATV
- Laser Diode Package

## Features

- High Power
- High Isolation
- Low Insertion Loss
- High Extinction Ratio
- High Return Loss
- Environmentally Stable



## SPECIFICATIONS

Polarization Maintaining Isolators (1064nm, Fast Axis Blocked)

| Parameter                       | Single Stage       | Dual Stage         | Units |
|---------------------------------|--------------------|--------------------|-------|
| Center Wavelength               | 1064               |                    | nm    |
| Min. Isolation                  | 35                 | 45                 | dB    |
| Typ. Peak Isolation             | 38                 | 55                 | dB    |
| Insertion Loss                  | Typ. 1.6, Max. 2.0 | Typ. 2.6, Max. 3.4 | dB    |
| Min. Return Loss (Input/Output) | 55/50              |                    | dB    |
| Min. Extinction Ratio           | 22                 |                    | dB    |
| Max. Optical Power              | 300                |                    | mW    |
| Max. Tensile Load               | 5                  |                    | N     |
| Fiber Type                      | PM 980 Panda Fiber |                    |       |
| Operating Temperature           | -5 to +50          |                    | °C    |
| Storage Temperature             | -40 to +85         |                    | °C    |

\*Above specifications are for device without connectors.

## ORDERING CODES

OLISO - P - [ ] - [ ] - [ ] - [ ]

| Type and Wavelength | Code         | Handling Power | Code | Fiber Diameter | Code | Connector Type | Code |
|---------------------|--------------|----------------|------|----------------|------|----------------|------|
| 1064 nm             | Single Stage | 300mW          | 300  | 250 μm         | 25   | No Connector   | NC   |
|                     | Dual Stage   |                |      | 900 μm         | 90   | FC/UPC         | FU   |
|                     |              |                |      |                |      | SC/UPC         | SU   |
|                     |              |                |      |                |      | FC/APC         | FA   |
|                     |              |                |      |                |      | SC/APC         | SA   |
|                     |              |                |      |                |      | LC/UPC         | LU   |
|                     |              |                |      |                |      | ST/UPC         | ST   |
|                     |              |                |      |                |      | Others         | XX   |

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