



Opto-Link
Corporation Ltd

Polarization Maintaining Isolators

(Wavelength: 1064nm)

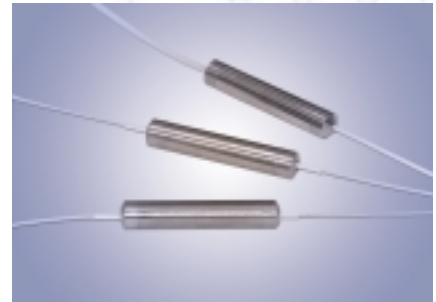
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction 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)

| Parameter | Single Stage | Dual Stage | Units |
|---------------------------------|-------------------------------|--------------------|-------|
| Center Wavelength | 1064 | | nm |
| Typ. Peak Isolation | 38 | 55 | dB |
| Min. Isolation | 35 | 45 | dB |
| Insertion Loss | Typ. 1.5, Max. 2.0 | Typ. 2.4, Max. 3.4 | dB |
| Min. Extinction Ratio | 20 | | dB |
| Min. Return Loss (Input/Output) | 55/50 | | dB |
| Max. Optical Power (CW) | 300 | | mW |
| Max. Tensile Load | 5 | | N |
| Fiber Type | PM 980 Panda Fiber or specify | | -- |
| Operating Temperature | 0 to +50 | | °C |
| Storage Temperature | -20 to +75 | | °C |

*IL is 0.5dB higher, RL is 5dB lower, and ER is 2dB lower for each connector added.

*Connector key is aligned to slow axis.

ORDERING CODES

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

| Type and Wavelength | | Code |
|---------------------|--------------|------|
| 1064 nm | Single Stage | S106 |
| | Dual Stage | D106 |

| Handling Power | Code |
|----------------|------|
| 300mW | 500 |

| Fiber Diameter | Code |
|----------------|------|
| 250 μm | 25 |
| 900 μm | 90 |

| Connector Type | Code |
|----------------|------|
| No Connector | NC |
| FC/UPC | FU |
| SC/UPC | SU |
| FC/APC | FA |
| SC/APC | SA |
| LC/UPC | LU |
| ST/UPC | ST |
| Others | XX |

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