



Opto-Link
Corporation Ltd

Polarization Independent Isolators

(Wavelength: 980nm)

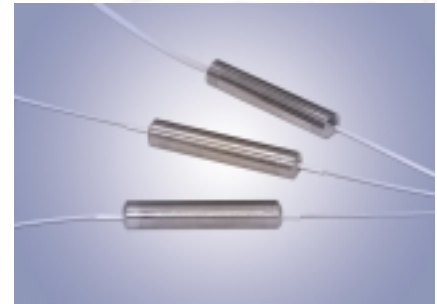
Fiber Optic Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high isolation with low insertion loss over a wide wavelength range. It can be used in high power applications.

Applications

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

Features

- High Power
- High Isolation
- Low Insertion Loss
- Low Polarization Dependent Loss
- Environmentally Stable



SPECIFICATIONS

Polarization Independent Isolators (980nm)

| Parameter | Single Stage | | Units |
|---------------------------------|------------------------|------------------------|-------|
| | | | |
| Center Wavelength | 980 | | nm |
| Min. Isolation, 23°C | 25 | 30 | dB |
| Typ. Peak Isolation, 23°C | 30 | 35 | dB |
| Insertion Loss, 23°C | 1.5 (Max.), 1.2 (Typ.) | 1.2 (Max.), 1.0 (Typ.) | dB |
| Min. Return Loss (Input/Output) | 45/45 | 50/50 | dB |
| Max. PDL | 0.15 | 0.15 | dB |
| Max. Optical Power (CW) | 500 | 3000 | mW |
| Max. Tensile Load | 5 | | N |
| Operating Temperature | 0 to +60 | | °C |
| Storage Temperature | -20 to +75 | | °C |
| Fiber Type | HI 1060 Fiber | | -- |

*Above specifications are for device without connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and optical power will be 2W lower.

ORDERING CODES

OLISO - I - [] - [] - [] - []

| Type and Wavelength | Code | Handling Power | Code | Fiber Diameter | Code | Connector Type | Code |
|---------------------|--------|----------------|------|----------------|------|----------------|------|
| Single Stage | 980 nm | 3000mW | 3000 | 250 μm | 25 | No Connector | NC |
| | | | | 900 μm | 90 | Others | XX |
| | | | | | | | |