



Opto-Link
Corporation Ltd

Polarization Independent Isolators

(Wavelength: 1670nm)

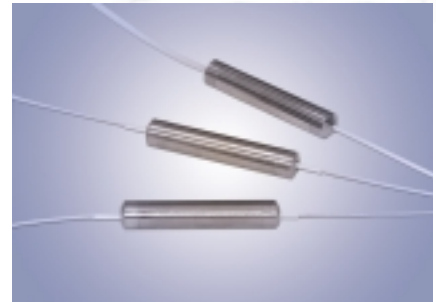
Fiber Optic Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high isolation with low insertion loss over a wide wavelength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

Applications

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

Features

- High Isolation
- Low Insertion Loss
- Low PDL
- Low PMD
- Environmentally Stable



SPECIFICATIONS

Polarization Independent Isolators (1670nm)

Parameter	Dual Stage	Units
Center Wavelength (CWL)	1670	nm
Typ. Isolation	40	dB
Min. Isolation at 23°C, CWL+/-20nm, all polarization state	30	dB
Typ. Insertion Loss at 23°C, CWL+/-20nm, all polarization state	1.2	dB
Max. Insertion Loss, CWL+/-20nm, all polarization state	1.4	dB
Min. Return Loss (Input/Output)	50/50	dB
Max. Polarization Dependent Loss (PDL) at 23°C	0.2	dB
Max. Polarization Mode Dispersion (PMD)	0.05	ps
Max. Handling Power	300	mW
Fiber Type	SMF-28	--
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

*Above specifications are for device without connectors.

ORDERING CODES

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

Type and Wavelength	Code	Handling Power	Code	Fiber Diameter	Code	Connector Type	Code
Dual Stage	1670 nm	D167	300mW	300	250 μm	No Connector	NC
				900 μm	90	FC/UPC	FU
						SC/UPC	SU
						FC/APC	FA
						SC/APC	SA
						Others	XX

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