



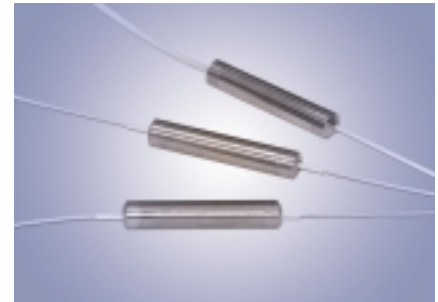
Opto-Link
Corporation Ltd

Polarization Independent Isolators

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.

Types

- Polarization Independent Isolators
 - Single Stage / Dual Stage



Applications

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

Features

- High Power
- High Isolation
- Low Insertion Loss
- Low Polarization Dependent Loss
- Low Polarization Mode Dispersion
- Wide Bandwidth
- Environmentally Stable



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SPECIFICATIONS

Polarization Independent Isolators (1525-1610nm)

Parameter	Single Stage	Dual Stage	Units
Operating Wavelength Range	1525 to 1610		nm
Typ. Insertion Loss (@ 23°C)	0.45	0.55	dB
Max. Insertion Loss	0.6	0.7	dB
Typ. Peak Isolation	40	55	dB
Min. Isolation (@ 23°C)	22	40	dB
Max. PDL (@ 23°C)	0.07	0.07	dB
Max. PMD	0.2	0.05	ps
Min. Return Loss (Input/Output)	60/55	60/55	dB
Max. Optical Power	300		mW
Tensile Load	5		N
Fiber Type	SMF-28		--
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

*Above specifications are for device without connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

ORDERING CODES

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

Type and Wavelength	Code	Handling Power	Code	Fiber Diameter	Code	Connector Type	Code
Single Stage	1525-1610nm	SCL	300mW	300	250 μm	No Connector	NC
Dual Stage		DCL			900 μm	FC/UPC	FU
						SC/UPC	SU
						FC/APC	FA
						SC/APC	SA
						Others	XX

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