

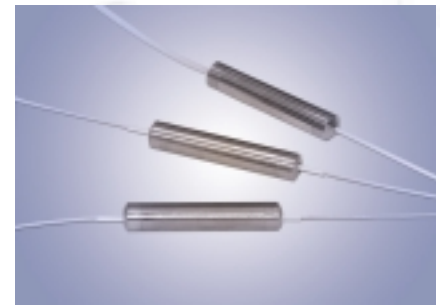


Opto-Link
Corporation Ltd

Polarization Independent Isolators

(Wavelength: 1440 +/- 20 nm)

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 polarization dependent loss over the operating wavelength range.



Applications

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

Features

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

SPECIFICATIONS

Polarization Independent Isolators (1440nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1440		nm
Typ. Peak Isolation	42	58	dB
Min. Isolation, +/-20nm, 23°C, all polarization states	26	42	dB
Typ. Insertion Loss, 23°C; all polarization states	0.5	0.6	dB
Max. Insertion Loss, +/-20nm, 23°C, all temperature, all polarization states	0.7	0.8	dB
Min. Return Loss (Input/Output)	55/50	55/50	dB
Max. Polarization Dependent Loss, 23°C	0.1	0.1	dB
Max. Polarization Mode Dispersion	0.2	0.05	ps
Max. Optical Power (Continuous Wave)	300		mW
Max. Tensile Load	5		N
Fiber Type	SMF-28 fiber		--
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

*1L is 0.3dB higher, RL is 5dB lower for each connector added.

ORDERING CODES

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

Type and Wavelength	Code
Single Stage	S144
Dual Stage	D144

Handling Power	Code
300mW	300

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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