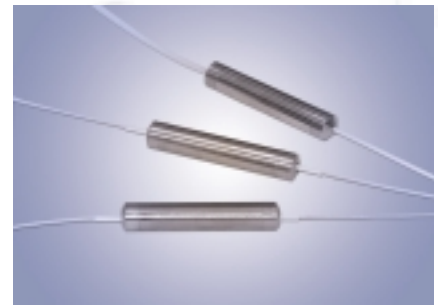




Polarization Independent Isolators

(Wavelength: 1250nm)

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 (up to 1000mW)

SPECIFICATIONS

Polarization Independent Isolators (1250nm)

Parameter	Dual Stage	Units
Center Wavelength	1250	nm
Min. Isolation	32	dB
Typ. Peak Isolation	58	dB
Insertion Loss(+/- 10nm)	0.5(Typ.), 0.8(Max.)	dB
Max. PMD	0.05	ps
Min. Return Loss (Input/Output)	55/50	dB
Max. PDL	0.1	dB
Max. Optical Power	1000	mW
Max. Tensile Load	5	N
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

*Above specifications are for device without connectors.

*multimode maybe caused if operating wavelength less than cutoff wavelength 1260nm

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

ORDERING CODES

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

Type and Wavelength	Code	Handling Power	Code	Fiber Diameter	Code	Connector Type	Code
Dual Stage	1250nm	300mW	300	250 μm	25	No Connector	NC
		1000mW	1000	900 μm	90	FC/UPC	FU
						SC/UPC	SU
						FC/APC	FA
						SC/APC	SA
						LC/UPC	LU
						ST/UPC	ST
						Others	XX