



Polarization Independent Isolators

(Wavelength: 1030nm)

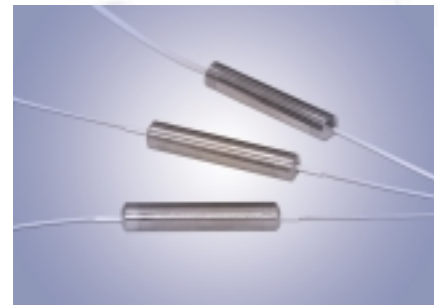
Fiber Optic Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high isolation with low polarization dependent loss over the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

Applications

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

Features

- High Isolation
- Low PDL
- Environmentally Stable



SPECIFICATIONS

Polarization Independent Isolators (1030nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1030		nm
Min. Isolation	20	40	dB
Typ. Peak Isolation	25	45	dB
Insertion Loss	Typ. 2.9, Max. 3.8	Typ. 5.0, Max. 7.5	dB
Min. Return Loss (Input/Output)	55/50		dB
Max. PDL	0.2		dB
Max. Optical Power (CW)	50		mW
Max. Tensile Load	5		N
Fiber Type	HI 1060 fiber		--
Operating Temperature	-5 to +50		°C
Storage Temperature	-40 to +85		°C

*IL is 0.5dB higher, RL is 5dB lower for each connector added.

ORDERING CODES

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

Type and Wavelength	Code
Single Stage	S103
Dual Stage	D103

Handling Power	Code
50mW	50

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