



Polarization Maintaining Isolators

(Wavelength: 1030nm)

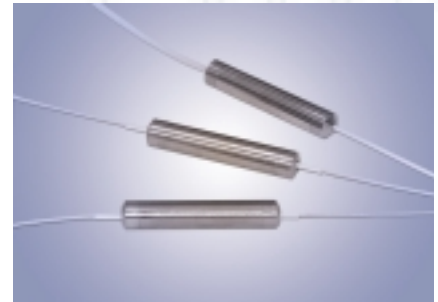
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction ratio, high isolation with low insertion loss over a wide wavelength range and excellent environmental stability and reliability.

Applications

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

Features

- High Isolation
- High Extinction Ratio
- High Return Loss
- Environmentally Stable



SPECIFICATIONS

Polarization Maintaining 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. 3.0, Max. 3.8	Typ. 5.0, Max. 7.5	dB
Min. Return Loss (Input/Output)	55/50		dB
Min. Extinction Ratio	16		dB
Max. Optical Power	50		mW
Max. Tensile Load	5		N
Fiber Type	PM 980 Panda Fiber		
Operating Temperature	-5 to +50		°C
Storage Temperature	-40 to +85		°C

*Above specifications are for device without connectors.

ORDERING CODES

OLISO - P - [] - [] - [] - []

Type and Wavelength	Code	Handling Power	Code	Fiber Diameter	Code	Connector Type	Code
1030 nm	Single Stage	50mW	050	250 μm	25	No Connector	NC
	Dual Stage			900 μm	90	FC/UPC	FU
						SC/UPC	SU
						FC/APC	FA
						SC/APC	SA
						LC/UPC	LU
						ST/UPC	ST
						Others	XX