



Polarization Maintaining Isolators

(Wavelength: 1050nm)

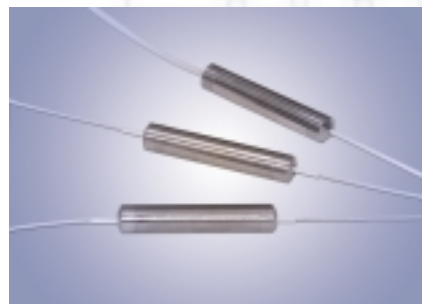
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction 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 Power
- High Isolation
- Low Insertion Loss
- High Extinction Ratio
- High Return Loss
- Environmentally Stable



SPECIFICATIONS

Polarization Maintaining Isolators (1050nm)

Parameter	Values	Units
Center Wavelength	1050 or specify	nm
Min. Extinction Ratio	20	dB
Typ. Peak Isolation	32	dB
Min. Isolation, 23°C, all polarization states	25	dB
Insertion Loss	1.9(Typ), 2.4(Max)	dB
Min. Return Loss (Input/Output)	50/50	dB
Max. Optical Power (Continuous Wave)	500	mW
Max. Tensile Load	5	N
Fiber Type	PM980 Panda fiber	--
Operating Temperature	0 to +50	°C
Storage Temperature	-20 to +75	°C

*Above specifications are for device without connectors.

ORDERING CODES

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

Type and Wavelength	Code	Fiber Type	Code	Fiber Length	Code	Connector Type	Code	Working Axis	Code
1050 nm	105	250um bare fiber	25	0.75m	75	FC/UPC	FU	Fast axis blocked	B
Specify	XX	900um loose tube	90	Specify	XX	FC/APC	FA	Both axes working	F
		Specify	XX			SC/UPC	SU		
						SC/APC	SA		
						No Connector	NC		
						Specify	XX		