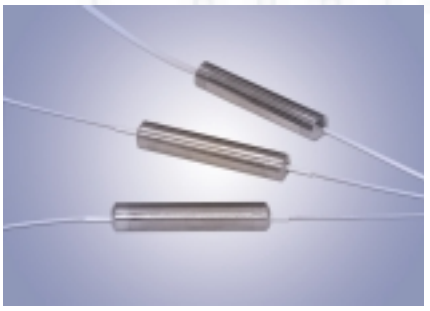
Opto-Link
Corporation Ltd

Polarization Maintaining Isolators

(Wavelength: 1053nm)

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 (1053nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1053		nm
Min. Isolation	35	45	dB
Typ. Peak Isolation	38	50	dB
Max. Insertion Loss	2.2	4.2	dB
Min. Return Loss (Input/Output)	50/50	50/50	dB
Min. Extinction Ratio	20		dB
Max. Optical Power	150		mW
Max. Tensile Load	5		N
Fiber Type	PM 980 Panda Fiber		--
Operating Temperature	0 to +50		°C
Storage Temperature	-40 to +85		°C

*Above specifications are for device without connectors.
*Above specifications are for device with fast axis blocked.

ORDERING CODES

OLISO – P – □ – □ – □ – □

Type and Wavelength		Code
1053 nm	Single Stage	S105
	Dual Stage	D105

Handling Power	Code
150mW	150

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
Others	XX

Tel: +852 2480-6106 Fax: +852 2480-1621 Email: contact@optolinkcorp.com Website: www.optolinkcorp.com