



Opto-Link
Corporation Ltd

Polarization Maintaining Isolators for Pulse Application

(Wavelength: 1064nm)

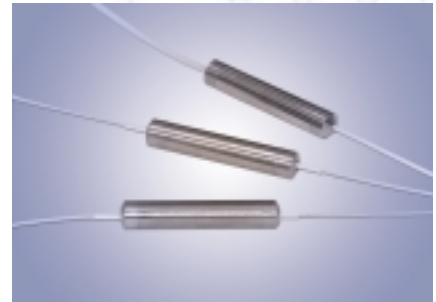
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction 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 (1064nm) for Pulse Application

Parameter	Single Stage	Values	Dual Stage	Units
Center Wavelength		1064		nm
Min. Extinction Ratio	20		20	dB
Typ. Peak Isolation	38		55	dB
Min. Isolation at 23°C	35		45	dB
Insertion Loss at 23°C	Typ. 1.5 , Max. 2.0		Typ. 2.4, Max. 3.4	
Min. Return Loss (Input/Output)	50/50			dB
Max. Average Optical Power	300			mW
Max. Peak Power for ns pulse	10			kW
Max. Tensile Load	5			N
Fiber Type	PM 980 Panda Fiber			--
Operating Temperature	-5 to +50			°C
Storage Temperature	-40 to +85			°C

ORDERING CODES

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

Type and Wavelength	Code
1064 nm Single Stage	S106

Handling Power	Code
300mW	300

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

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