



Opto-Link  
Corporation Ltd

# Polarization Maintaining Isolators for Pulse Application

(Wavelength: 1064nm)

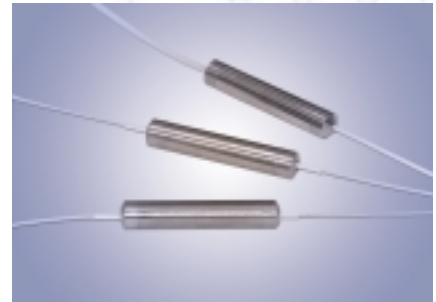
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction 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	Values	Units
Center Wavelength	1064	nm
Min. Extinction Ratio	20	dB
Typ. Peak Isolation	35	dB
Min. Isolation at 23°C	30	dB
Insertion Loss at 23°C	Typ. 1.3 , Max. 1.6	dB
Min. Return Loss (Input/Output)	50/50	dB
Max. Average Optical Power	1	W
Max. Peak Power for ns pulse	10	kW
Max. Tensile Load	5	N
Fiber Type	PM 980 Panda Fiber	--
Operating Temperature	0 to +50	°C
Storage Temperature	-20 to +75	°C

## ORDERING CODES

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Type and Wavelength	Code
1064 nm Single Stage	S106

Handling Power	Code
1W	1000

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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