



# Polarization Maintaining Isolators

(Wavelength: 1040nm)

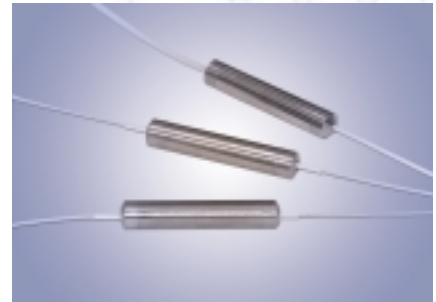
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction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



## SPECIFICATIONS

### High Power Polarization Maintaining Isolators (1040nm)

Parameter	Single Stage	Units
Center Wavelength	1040	nm
Min. Isolation	18	dB
Typ. Peak Isolation	20	dB
Max. Insertion Loss	1.5	dB
Min. Return Loss (Input/Output)	50/50	dB
Min. Extinction Ratio	18	dB
Max. Optical Power (CW)	3000	mW
Max. Tensile Load	5	N
Fiber Type	PM 980 Panda Fiber	--
Operating Temperature	0 to +60	°C
Storage Temperature	-20 to +75	°C

\*Above specifications are for device without connectors.

## ORDERING CODES

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Type and Wavelength	Code	Handling Power	Code	Fiber Diameter	Code	Connector Type	Code
1040 nm	Single Stage	3000mW	3000	250 μm	25	No Connector	NC
				900 μm	90	Others	XX