



Polarization Maintaining Isolators

(Wavelength: 1064nm)

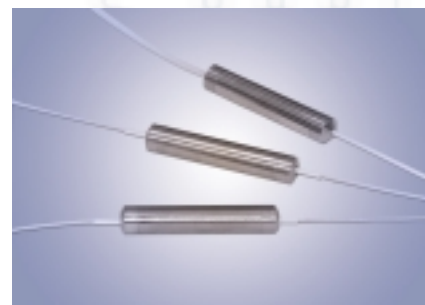
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction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



SPECIFICATIONS

High Power Polarization Maintaining Isolators (1064nm)

Parameter	Single Stage	Units
Center Wavelength	1064	nm
Min. Extinction Ratio	20	dB
Typ. Peak Isolation	30	dB
Min. Isolation at 23°C	25	dB
Typ. Insertion Loss at 23°C	1.7	dB
Max. Insertion Loss at 23°C	2.0	dB
Min. Return Loss (Input/Output)	50/50	dB
Max. Optical Power (CW)	10	W
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
1064 nm	Single Stage	S106	10W	10000	250 μm	No Connector	NC
					900 μm	Others	XX