



Polarization Maintaining Isolators

(Wavelength: 1040nm)

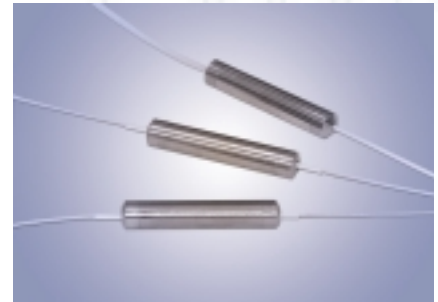
The Polarization Maintaining (PM) Optical Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction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



SPECIFICATIONS

Polarization Maintaining Isolators (1040nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1040		nm
Min. Isolation	30	40	dB
Typ. Peak Isolation	32	42	dB
Insertion Loss	Typ. 2.4, Max. 3.2	Typ. 4.0, Max. 5.5	dB
Min. Return Loss (Input/Output)	55/50	50/50	dB
Min. Extinction Ratio	16		dB
Max. Optical Power	50		mW
Max. Tensile Load	5		N
Fiber Type	PM 980 Panda Fiber		--
Operating Temperature	-5 to +50		°C
Storage Temperature	-40 to +85		°C

*Above specifications are for device without connectors.

ORDERING CODES

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Type and Wavelength	Code
1040 nm	Single Stage S104
	Dual Stage D104

Handling Power	Code
50mW	050

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