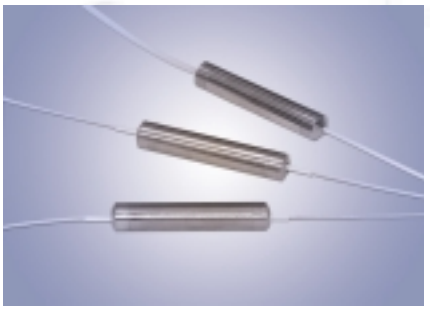
Opto-Link
Corporation Ltd

Polarization Maintaining Isolators

(Wavelength: 1093nm)

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

Polarization Maintaining Isolators (1093nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1093		nm
Min. Isolation	30	42	dB
Insertion Loss	Typ. 1.6, Max. 2.0	Typ. 2.6, Max. 3.4	dB
Min. Return Loss (Input/Output)	55/50		dB
Min. Extinction Ratio	20		dB
Max. Handling Power	300		mW
Tensile Load	5		N
Operating Temperature	-5 to +50		°C
Storage Temperature	-40 to +85		°C
Fiber Type	PM 980 Panda Fiber		--
Dimensions	Ø5.5 x 55		mm

*Above specifications are for device without connectors.
**Fast axis is blocked for the device.

ORDERING CODES

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Type and Wavelength		Code
Single Stage	1093nm	S109
Dual Stage		D109

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
Others	XX

Tel: +852 2480-6106 Fax: +852 2480-1621 Email: contact@optolinkcorp.com Website: www.optolinkcorp.com