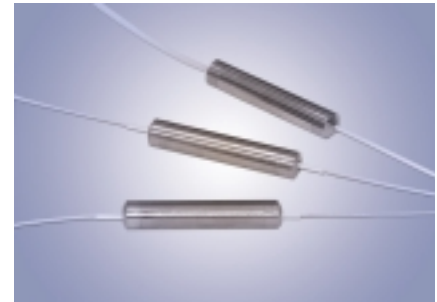




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Polarization Maintaining Isolators

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.



Types

- Polarization Maintaining Isolators
 - Single Stage / Dual Stage
- 1064/1310/1480/1550nm Central Wavelength

Applications

- DWDM Systems
- Fiber Optic Sensors
- EDFAs
- CATV
- Laser Diode Package

Features

- High Power
- High Isolation
- Low Insertion Loss
- High Extinction Ratio
- Wide Bandwidth
- Environmentally Stable



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SPECIFICATIONS

Polarization Maintaining Isolators (1310nm & 1480nm & 1550nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1310 , 1480, 1550		nm
Min. Extinction Ratio	25	25	dB
Isolation	42(Typ), 32(Min)	58(Typ), 46(Min)	dB
Insertion Loss at 23°C; C.W.+/-15nm, all polarization states	0.45(Typ), 0.6(Max)	0.6(Typ), 0.75(Max)	dB
Min. Return Loss (Input/Output)	55/50	55/50	dB
Max. Optical Power	300		mW
Max. Tensile Load	5		N
Fiber Type	PM Panda Fiber or Specify		
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

*Above specifications are for device without connectors.

#The PM fiber and the connector key are aligned to the slow axis and the fast axis is blocked.

ORDERING CODES

OLISO - P - - - -

Type and Wavelength	Code
Single Stage	1310 nm S131
	1480 nm S148
	1550 nm S155
Dual Stage	1310 nm D131
	1480 nm D148
	1550 nm D155

Handling Power	Code
300mW	300
Others	XX

Fiber Diameter	Code
250 μm	25
900 μm	90
3 mm	3

Connector Type	Code
No Connector	NC
FC/UPC	FU
SC/UPC	SU
FC/APC	FA
SC/APC	SA
Others	XX

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