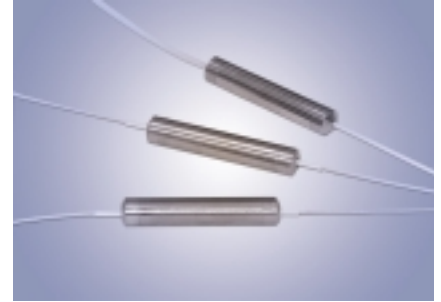




Polarization Maintaining Isolators

(Wavelength: 1310nm, 1480nm or 1550nm)

Fiber Optic 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 isolation with low polarization dependent loss over the operating wavelength range.



Applications

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

Features

- High Isolation
- Low Insertion Loss
- High Extinction Ratio
- Environmentally Stable

SPECIFICATIONS

Polarization Maintaining Isolator (1310nm, 1480nm or 1550nm)

Parameter	Single stage	Dual stage	Units
Center Wavelength	1310, 1480 or 1550		nm
Min. Extinction Ratio	20	20	dB
Typ. Peak Isolation	42	58	dB
Min. Isolation at 23°C; +/-10nm, all polarization states	30	46	dB
Typ. Insertion Loss at 23°C; +/-20nm, all polarization states	0.4	0.5	dB
Max. Insertion Loss, all temperature, +/-20nm, all polarization states	0.6	0.7	dB
Min. Return Loss (Input/Output)	55/50		dB
Max. Optical Power (Continuous Wave)	300		mW
Max. Tensile Load	5		N
Fiber Type	PM Panda fiber or specify		--
Operation Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

*IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower for each connector added.

*Connector key is aligned to slow axis.

ORDERING CODES

OLISO - P - [] - [] - [] - []

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

Fiber Diameter	Code
250 μm	25
900 μm	90

Handling Power	Code
300mW	300
others	XX

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