



Opto-Link
Corporation Ltd

Polarization Independent Isolators

(Wavelength: 1255nm)

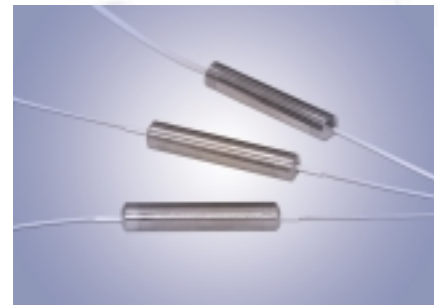
Fiber Optic Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high isolation with low polarization dependent loss over the operating wavelength range.

Applications

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

Features

- High Isolation
- Low PDL
- Environmentally Stable
- Low Insertion Loss
- High Power (up to 1000mW)



SPECIFICATIONS

Polarization Independent Isolators (1255nm)

Parameter	Dual Stage	
Center Wavelength	1255	nm
Typ. Peak Isolation	58	dB
Min. Isolation +/-10nm, 23°C, all polarization states	32	dB
Typ. Insertion Loss, 23°C, all polarization states	0.5	dB
Max. Insertion Loss, +/-10nm, all temperature, all polarization states	0.9	dB
Min. Return Loss (Input/Output)	55/50	dB
Max. Polarization Dependent Loss, 23°C	0.1	dB
Max. Polarization Mode Dispersion	0.05	ps
Max. Optical Power (Continuous Wave)	1000	mW
Max. Tensile Load	5	N
Fiber Type	Corning HI1060 fiber	
Operating Temperature	-5 to +70 °C	
Storage Temperature	-40 to +85 °C	

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

ORDERING CODES

OLISO - I - [] - [] - [] - []

Type and Wavelength		Code	Handling Power		Code	Fiber Diameter		Code	Connector Type		Code
Dual Stage	1255nm	D1255	1000mW		1000	250 μm		25	No Connector		NC
						900 μm		90	FC/UPC		FU
									SC/UPC		SU
									FC/APC		FA
									SC/APC		SA
									LC/UPC		LU
									ST/UPC		ST
									Others		XX

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