



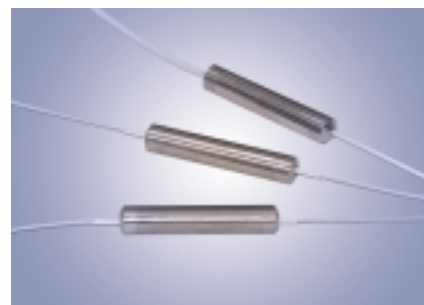
Opto-Link
Corporation Ltd

Polarization Independent Isolators

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 insertion loss over a wide wavelength range. It can be used in high power applications.

Types

- Polarization Independent Isolators
 - Single Stage / Dual Stage



Applications

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

Features

- High Power
- High Isolation
- Low Insertion Loss
- Low Polarization Dependent Loss
- Low Polarization Mode Dispersion
- Wide Bandwidth
- Environmentally Stable



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SPECIFICATIONS

Polarization Independent Isolators (1580nm)

Parameter		Single Stage	Dual Stage	Units
Wavelength		1580		nm
Insertion Loss	Typ	0.4	0.45	dB
	Max	0.55	0.65	dB
Isolation	Max	42	58	dB
	Min (23°C) CWL: ±15nm	32	46	dB
Polarization Dependent Loss (PDL)	Max	0.05	0.05	dB
Polarization Mode Dispersion (PMD)	Max	0.20	0.05	ps
Min. Return Loss (Input/Output)		60/55	60/55	dB
Optical Power	Max	300		mW
Tensile Load	Max	5		N
Operating Temperature		-5 to +70		°C
Storage Temperature		-40 to +85		°C

*Above specifications are for device without connectors.

ORDERING CODES

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

Type and Wavelength	Code
Single Stage 1580nm	S158
Dual Stage 1580nm	D158

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

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