

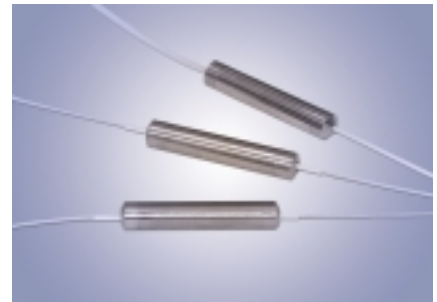


Opto-Link
Corporation Ltd

Polarization Independent Isolators

(Wavelength: 1180nm)

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
 - Dual Stage
- 1180nm Central Wavelength

Applications

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

Features

- Optical Power (300 mW)
- High Isolation
- Low Insertion Loss
- Low Polarization Dependent Loss
- Wide Bandwidth
- Environmentally Stable



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SPECIFICATIONS

Polarization Independent Isolators (1180nm)

Parameter	Values	Units
Stage	Dual Stage	--
Center Wavelength	1180	nm
Typ. Peak Isolation	25	dB
Min. Isolation at 23°C	20	dB
Typ. Insertion Loss at 23°C	1.5	dB
Max. Insertion Loss	2.0	dB
Min. Return Loss (Input/Output)	55/50	dB
Max. PDL at 23°C	0.2	dB
Max. PMD	0.1	ps
Max. Optical Power (CW)	300	mW
Max. Tensile Load	5	N
Fiber Type	SMF-28e Fiber	--
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

*Above specifications are for device without connectors.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

ORDERING CODES

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

Type and Wavelength	Code
1180 nm Dual Stage	D118

Handling Power	Code
300mW	300

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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