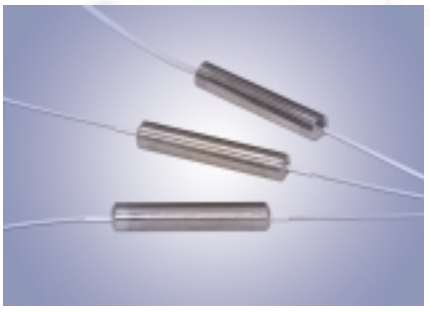
Opto-Link
Corporation Ltd

Polarization Independent Isolators

(Wavelength: 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 PDL
- Environmentally Stable

SPECIFICATIONS

High Power Polarization Independent Isolators (1550nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1550		nm
Typ. Peak Isolation	42	58	dB
Min. Isolation at 23°C; C.W. +/- 15nm, all polarization states	32	46	dB
Insertion Loss at C.W. +/-20nm, all polarization states	0.3(Typ) 0.45(Max)	0.4(Typ) 0.6(Max)	dB
Min. Return Loss (Input/Output)	60/55	60/55	dB
Max. PDL at 23°C	0.05	0.05	dB
Max. Optical Power (CW)	5		W
Max. Tensile Load	5		N
Fiber Type	SMF-28		--
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C
Dimensions	Ø5.5 x 55		mm

*Above specifications are for device without connectors.

ORDERING CODES

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Type and Wavelength		Code
1550 nm	Single Stage	S155
	Dual Stage	D155

Handling Power	Code
5W	5000

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

Connector Type	Code
No Connector	NC
Others	XX

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