

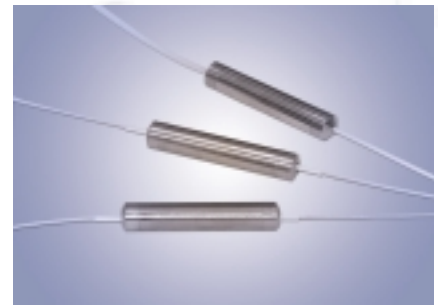


Opto-Link  
Corporation Ltd

# Polarization Independent Isolators

(Wavelength: 1650nm)

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

## SPECIFICATIONS

Polarization Independent Isolators (1650nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1650		nm
Typ. Isolation	22	42	dB
Min. Isolation@ 23°C	20	40	dB
Insertion Loss	Typ. 0.8@23°C, Max. 1@-5to70°C	Typ. 1.1@23°C, Max. 1.4@-5to70°C	dB
Max. PMD	0.2	0.05	ps
Min. Return Loss (Input/Output)	50/50		dB
Max. PDL @23°C	0.1		dB
Max. Optical Power	300		mW
Max. Tensile Load	5		N
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

\*Above specifications are for device without connectors.

## ORDERING CODES

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Type and Wavelength	Code	Handling Power	Code	Fiber Diameter	Code	Connector Type	Code
Single Stage	S165	300mW	300	250 μm	25	No Connector	NC
Dual Stage	D165			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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