



Polarization Independent Isolators

(Wavelength: 1120nm)

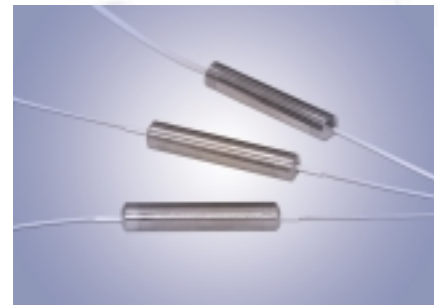
Fiber Optic Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high isolation with low polarization dependent loss over the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

Applications

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

Features

- High Isolation
- Low PDL
- Environmentally Stable



SPECIFICATIONS

Polarization Independent Isolators (1120nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1120		nm
Min. Isolation	30	45	dB
Typ. Peak Isolation	40	55	dB
Insertion Loss	Typ. 1.0, Max. 1.5	Typ. 2.0, Max. 2.8	dB
Min. Return Loss (Input/Output)	55/50		dB
Max. PDL at 23°C	0.15		dB
Max. Handling Power	300		mW
Fiber Type	HI 1060		--
Operating Temperature	-5 to +50		°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	Handling Power	Code	Fiber Diameter	Code	Connector Type	Code
Single Stage	S112	300mW	300	250 μm	25	No Connector	NC
Dual Stage	D112			900 μm	90	FC/UPC	FU
						SC/UPC	SU
						FC/APC	FA
						SC/APC	SA
						Others	XX