



Polarization Independent Isolators

(Wavelength: 1090nm)

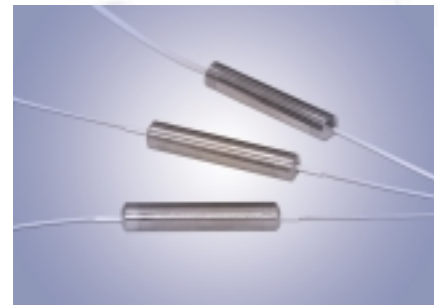
Fiber Optic Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high isolation with low polarization dependent loss over the 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 (1090nm)

Parameter	Single Stage	Dual Stage	Units
Center Wavelength	1090		nm
Min. Isolation ⁺⁺	28	40	dB
Typ. Peak Isolation	32	50	dB
Insertion Loss [#]	Typ. 1.5, Max. 2.0	Typ. 2.4, Max. 3.4	dB
Min. Return Loss (Input/Output)	50/50		dB
Max. PDL at 23°C	0.15		dB
Max. Handling Power	300		mW
Operating Temperature	-5 to +50		°C
Storage Temperature	-40 to +85		°C
Fiber Type	HI 1060		--
Dimensions	Ø5.5 x 55		mm

*Above specifications are for device without connectors.

#Measured at center wavelength.

++Measured at center wavelength +/-5nm and at 23°C

ORDERING CODES

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Type and Wavelength	Code
Single Stage	S109
Dual Stage	D109

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
LC/UPC	LU
ST/UPC	ST
Others	XX