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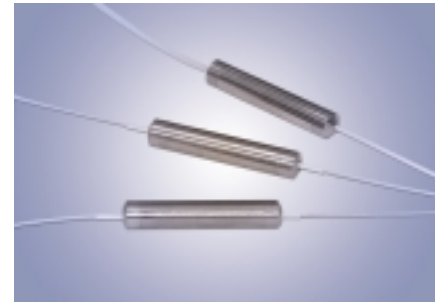
Polarization Independent Isolators

Center Wavelength: 1064nm

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
 - Single Stage / Dual Stage



Applications

- DWDM systems
- Fiber optic sensors
- EDFAs
- CATV
- Laser diode package

Features

- High power
- High isolation
- Low insertion loss
- Low polarization dependent loss
- Low polarization mode dispersion
- Wide bandwidth
- Environmentally stable



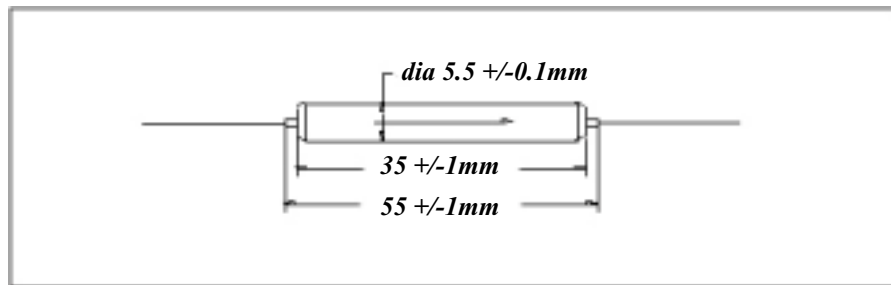
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SPECIFICATIONS

Polarization Independent Isolators (1064nm)

Parameter	Single Stage	Units
Center Wavelength	1064	nm
Bandwidth	+/- 10	nm
Typ. Peak Isolation	40	dB
Isolation at 23°C, c.w. +/-10m, all polarization states	30 (Min)	dB
Insertion Loss at 23°C, c.w. +/-10nm, all polarization states	1.6 (Typ), 2.0 (Max)	dB
Min. Return Loss	50	dB
Max. PDL at 23°C	0.15	dB
Max. Optical Power	300	mW
Max. Tensile Load	5	N
Fiber Type	Corning Hi 1060	--
Operation Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

Package Dimension



ORDERING CODES

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

Type and Wavelength	Code
Single Stage	1064 nm S106
	1310 nm S131
	1550 nm S155
Dual Stage	1064 nm D106
	1310 nm D131
	1550 nm D155

Handling Power	Code
300mW	300
1000mW	1000

Fiber Diameter	Code
250 μm	25
900 μm	90

Connector Type	Code
no connectors	NC
FC/PC	FP
SC/PC	SP
FC/APC	FA
SC/APC	SA
LC/PC	LP
MU/PC	MP
Others	XX

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