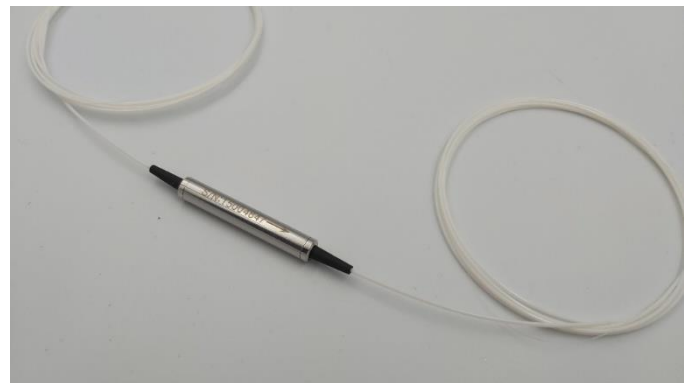


[OEISO-100]

Fiber Optic Isolator

Features:

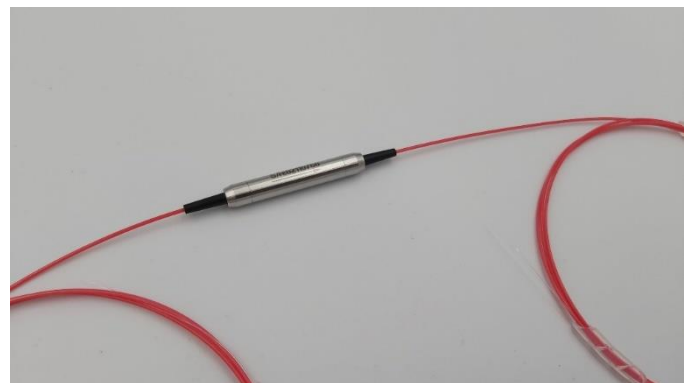
- For minimizing the optical feedback in optical system
- Fiber pigtailed with protective tubing
- Polarization independent
- Small and compact design
- SM or PM fibers versions
- Epoxy-free optical path
- High isolation, low insertion loss
- High stability, long-term reliability
- Low PDL and PMD



OEISO-100-SM

Applications:

- For standard applications
- For back reflection protection
- In research and development
- In production of fiber lasers and amplifiers
- EDFAs, Raman, WDM systems



OEISO-100-PM

Product description:

The Fiber optic Isolator from O/E Land Inc. minimizes back reflection and backscattering in an optical system in reverse direction. It works with any polarization state, and it provides low polarization-dependent loss (PDL), as well as low polarization mode dispersion (PMD). The optical path is epoxy free, thereby enabling high-power applications. This Fiber optical isolator is based on metallized solder package technology and features high stability and reliability. This product meets the Telcordia GR-1221-CORE reliability standard.

Specifications:

Parameter	Unit	OEISO-100							
Type		Fiber Optic Isolator							
Center wavelengths*	nm	1030	1064	1310	1550	1650	2000	C-Band	L-Band
Bandwidth	nm	±5	±5	±30	±30	±30	±20	1520-1560	1570-1610
Insertion loss	dB	<3	<2	<0.5	<0.5	<1.5	<2	<0.5	<0.5
Isolation	dB	>20	>30	>30	>30	>25	>15	>30	>30
Return loss (input/output)	dB	>55/50	>55/50	>65/60	>65/60	>55/50	>50/50	>65/60	>65/60
Polarization dependant loss (PDL)	dB	<0.15	<0.07	<0.02	<0.02	<0.15	<0.15	<0.02	<0.02
Polarization mode dispersion (PMD)	ps	<0.25	<0.25	<0.20	<0.20	<0.25	<0.25	<0.20	<0.20
Power handling (CW)	W	<0.1	<0.5	<3	<3	<3	<2	<3	<3
Tensile load	N	<5	<5	<5	<5	<5	<5	<3	<5
Fibre type	-	HI1060 PM980	HI1060 PM980	SMF-28 PM1550	SMF-28 PM1550	SMF-28 PM1550	SM1950 PM1550	SMF-28 PM1550	SMF-28 PM1550
Fibre length	m	Custom; 1							
Cable jacket size	mm	Bare fiber; 0.9 tubing							
Connectors	-	None; FC/PC; FC/APC; SC/PC; SC/APC; LC/PC; LC/APC							
Operating temperature	°C	-5 to +70							
Storage temperature	°C	-40 to +85							
Dimensions (LxD) (approx.)	mm	35 x 5.5							

*Custom center wavelengths also available. Specifications can vary depending on the wavelength and fiber type.

Ordering number:

OEISO-100-WL-B-Fiber-Conn	WL	B	Fiber type	Connector
	Wavelength (nm)	Bandwidth (nm)	SM: Single-mode PM: Polarization-maintaining	NC: Non-connectorized FC/PC: FC/PC connector
Example:	OEISO-100-1550-20-SM-NC			