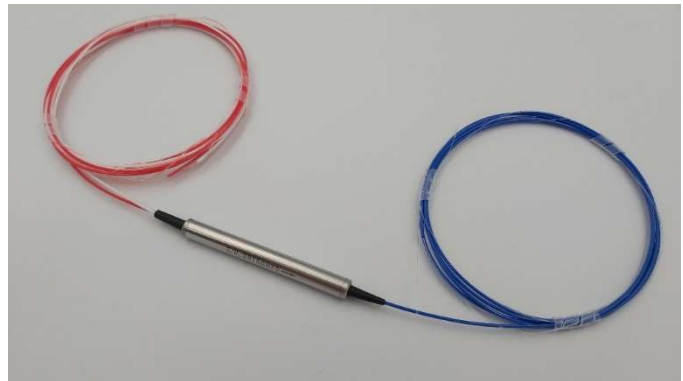


[OEIR-100-780-980]

Standard & High-Power Fiber Optic Circulator 780-980nm (3 ports or 4 ports)

Features:

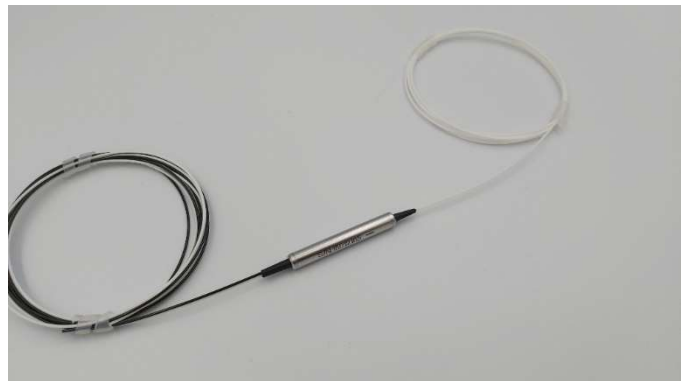
- Fiber pigtailed with protective tubing
- Polarization independent
- Small and compact design
- SM or PM fibers versions
- Epoxy-free optical path
- Low insertion loss, low crosstalk
- High stability, long-term reliability
- High isolation, Low PDL



OEIR-100-780-980-SM

Applications:

- For standard applications
- For one-directional transmission of signals
- In research and development
- Optical dispersion compensation
- In production of amplifiers, OTDR
- Add/Drop modules, DWDM networks



OEIR-100-780-980-PM

Product description:

The Fiber optic Circulator from O/E Land Inc. is a non-reciprocating, one directional, 3-port devices which is used in variety of optical systems. The signal entering from Port 1 will exit from Port 2 with minimal loss, while a signal entering from Port 2 will exit from Port 3 with minimal loss. On the other hand, the device provides isolation of all the signals trying to propagate in opposite direction, i.e., from Port 2 to Port 1, and from Port 3 to Port 2 respectively. It is polarization-independent device, with low polarization-dependent loss (PDL). The optical path is epoxy free, thereby enabling relatively high-power applications. The isolator has compact design and features high stability and reliability. This product meets the Telcordia GR-1221-CORE reliability standard.

Specifications:

Parameter	Unit	Value
Center Wavelength*	Nm	780, 850, 976
Operating Wavelength Range	Nm	±10
Typ. Peak Isolation	dB	30
Max. Isolation @23°C	dB	25
Max. Insertion Loss @23°C	dB	1.5
Max. Polarization Dependent Loss @23°C	dB	0.15
Min. Return Loss (Input/Output)	dB	45
Min. Cross Talk	dB	45
Average Optical Power	W	0.3, 1, 5, 10
Pulse Peak Power	kW	10
Max Tensile Load	N	5
Operating Temperature	°C	+10~+50
Storage	°C	0~+60
Fiber type**		SM, PM or customer specified

* Custom center wavelengths also available.

** Custom fiber type is also available

Specifications can vary depending on the wavelength and fiber type.

4-ports version available upon request.

Ordering number:

OE CIR-100-WL-B-Fiber-Ports-Conn	WL	B	Fiber type	Ports	Connector
	Wavelength (nm)	Bandwidth (nm)	SM: Single-mode PM: Polarization-maintaining	3: 3-ports 4: 4-ports	NC: Non-connectorized FC/PC: FC/PC connector
Example:			OE CIR-100-780-10-SM-3-NC		