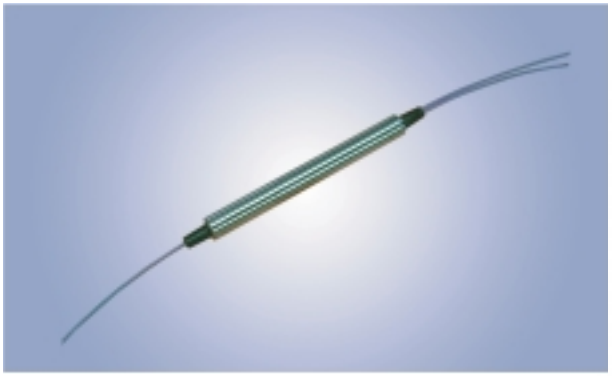
Opto-Link
Corporation Ltd

Polarization Independent Optical Circulators

Fiber Optic Circulator is a non-reciprocal device that redirects light from port to port in one direction. The device is designed for use in WDM systems, optical amplifiers and sensor applications. The component features high power, high isolation, high return loss, and excellent environmental stability.

Types

- 3 Ports
- High Power (1W)
- 1420 - 1490 nm



Applications

- WDM Systems
- Dispersion Compensation
- Sensor Applications
- Optical Amplifiers
- OTDR Applications

Features

- Excellent Stability and Reliability
- High Isolation
- High Return Loss
- Low Insertion Loss
- Low Polarization Dependent Loss
- Low Polarization Mode Dispersion

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SPECIFICATIONS

Polarization Independent Optical Circulators (1420 - 1490 nm)

Parameter	3 ports	Units
Operating Wavelength Range	1420 - 1490	nm
Typ. Insertion Loss	1.6	dB
Max. Insertion Loss	1.8	dB
Min. Isolation, 23°C	25	dB
Min. Crosstalk	45	ps
Min. Return Loss	50	dB
Max. Polarization Dependent Loss	0.2	dB
Max. Polarization Mode Dispersion	0.1	ps
Max. Optical Power (CW)	1	W
Max. Tensile Load	5	N
Fiber Type	SMF-28 fiber	--
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

*IL is 0.3dB higher and RL is 5dB lower for each connector added.

ORDERING CODES

OLCIR – I – [ ] – [ ] – [ ] – [ ] – [ ]

Port	Code
3 ports	3

Handling Power	Code
1W	1000
Others	XX

Wavelength	Code
1420 - 1490 nm	1455

Cable Diameter	Code
250 um	25
900 um	90

Connector Type	Code
No Connector	NC
FC/PC	FP
SC/PC	SP
FC/APC	FA
SC/APC	SA
Others	XX

■ Opto-Link Corporation Ltd. reserves the right to make changes to the products described herein without notice.

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