



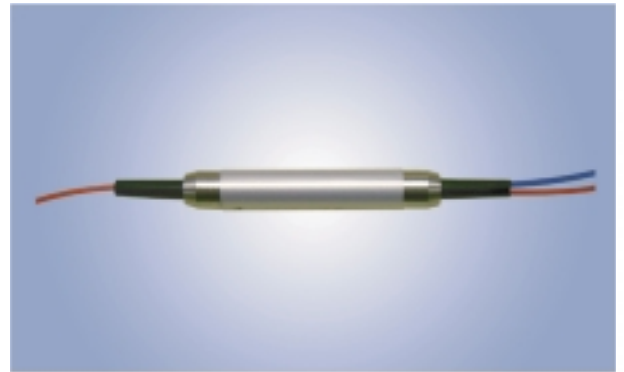
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Polarization Maintaining Optical Circulators

The Polarization Maintaining Optical Circulator is a non-reciprocal device that redirects light from port to port in one certain direction. It is a compact high performance device 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 & 4 Ports
- High Power (300/500mW)
- 1310/1550nm Window



Applications

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

Features

- Excellent Stability and Reliability
- High Isolation
- High Return Loss
- Low Insertion Loss
- High Extinction Ratio



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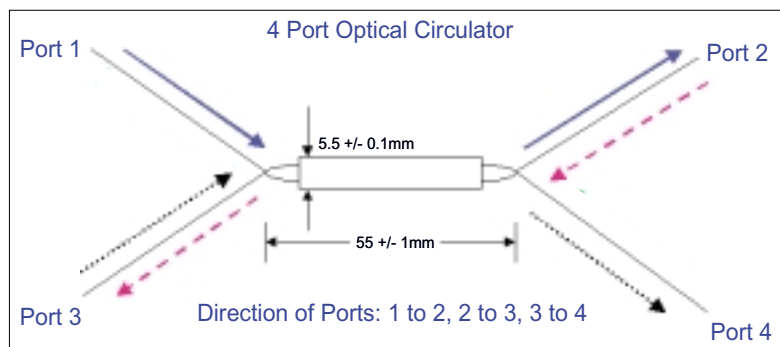
SPECIFICATIONS

Polarization Maintaining Optical Circulators

Parameter	Values	Units
Center Wavelength	1310 or 1550	nm
Operating Wavelength Range	+/- 30	nm
3 Ports Configuration	1->2, 2->3	--
4 Ports Configuratoin	1->2, 2->3, 3->4	--
Insertion Loss (3 Ports)	Typ 0.7, Max 0.9	dB
Insertion Loss (4 Ports)	Typ 0.8, Max 1.1	dB
Isolation	Typ 46, Max 52	dB
Min. Extinction Ratio	22 (20 for 4 Ports)	dB
Min. Cross Talk	50	dB
Min. Return Loss	55	dB
Handling Power	300	mW
Max. Tensile Load	5	N
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

*Above specifications are for device without connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.



ORDERING CODES

OLCIR - P - [] - [] - [] - [] - []

Port	Code
3 ports	3
4 ports	4

Handling Power	Code
300mW	300
500mW	500

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

Wavelength	Code
1064 nm	106
1310 nm	131
1550 nm	155

Cable Diameter	Code
250 um Panda Fiber	25
900 um Panda Fiber	90

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