



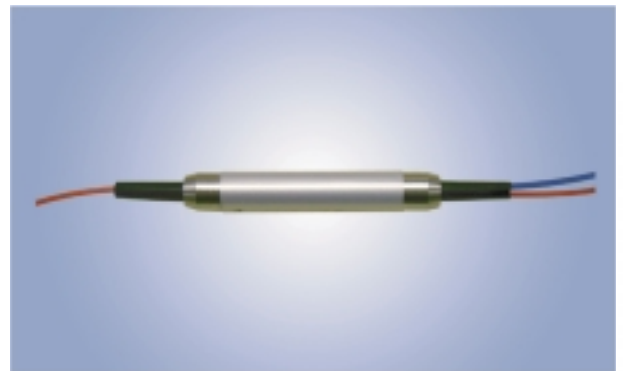
Opto-Link
Corporation Ltd

Polarization Maintaining Optical Circulators

Fiber Optic Circulator is a non-reciprocal device that redirects light from port to port in one certain 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 & 4 Ports
- High Power (300/500mW)
- 1064/1310/1550nm 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

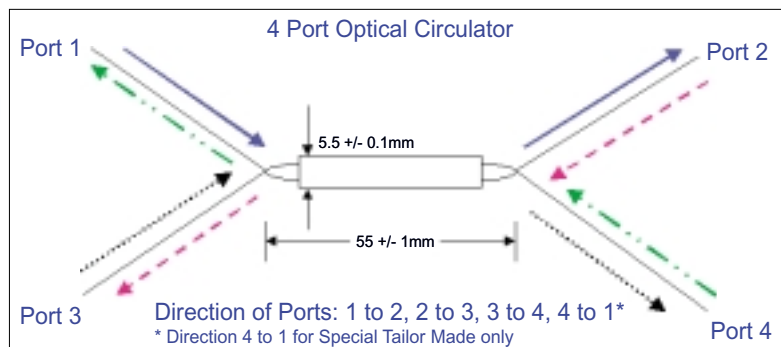
Parameter	Values		Units
Center Wavelength	1310 or 1550	1064	nm
Operating Wavelength Range	+/- 30	+/- 5	nm
3 Ports Configuration	1->2, 2->3	1->2, 2->3	--
4 Ports Configuratoin	1->2, 2->3, 3->4	1->2, 2->3, 3->4	--
Insertion Loss (3 Ports)	Typ 0.7, Max 0.9	Typ 1.8, Max 2.1	dB
Insertion Loss (4 Ports)	Typ 0.8, Max 1.1	Max 2.8	dB
Isolation	Typ 46, Max 52	Typ 30	dB
Min. Extinction Ratio	22 (20 for 4 Ports)	20	dB
Min. Cross Talk	50	50	dB
Min. Return Loss	55	50	dB
Handling Power	300	300	mW
Max. Tensile Load	5	5	N
Operating Temperature	-5 to +70	-5 to +50	°C
Storage Temperature	-40 to +85	-40 to +85	°C

*Above specifications are for device without connectors.

Polarization Maintaining Optical Circulators (Special Tailor Made: 4->1)

Parameter	Values	Units
Center Wavelength	1550	nm
Operating Wavelength Range	+/-20	nm
Max. Insertion Loss (1->2, 2->3) +0.3dB with connector	1.5	dB
Max. Insertion Loss (3->4, 4->1) +0.3dB with connector	1.5	dB
Min. signal cross talk (1->4, 2->1) at slow axis	20	dB
Min. signal cross talk (3->2, 4->2) at slow axis	20	dB
Min. Directivity (1->3, 2->4)	50	dB
Min. polarization cross talk (1->2, 2->3) at fast axis	20	dB
Min. polarization cross talk (3->4, 4->1) at fast axis	20	dB
Min Extinction ratio -2dB with connector	18	dB
Min. Return Loss -5dB with connector	45	dB
Handling Power	500	mW
Max. Tensile Load	5	N
Operation Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

*Above specifications are for device without connectors.



ORDERING CODES

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

Port	Code
3 ports	3
4 ports	4
Tailor Made 4 -> 1	S

Wavelength	Code
1064 nm	106
1310 nm	131
1550 nm	155

Handling Power	Code
300mW	300
500mW	500

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
LC/PC	LP
MU/PC	MP
Others	XX

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