1060nm Faraday PM 4-port Optical Circulator

1060nm Faraday PM 4-port Optical Circulator is a fiber passive component built with faraday crystal, which can change signal light transmission path, the signal can be delivered from Port 1 to Port 2, Port 2 to Port 3, Port 3 to Port 4, the high isolation can block the back reflection light. It's widely used in Fiber Amplifier System, Fiber Optic Sensor and Testing System field. High Power version is also available upon request.

Application:

Fiber Optic Sensor
Fiber Optic Amplifier
Coherent Detecting
Testing System

Features:

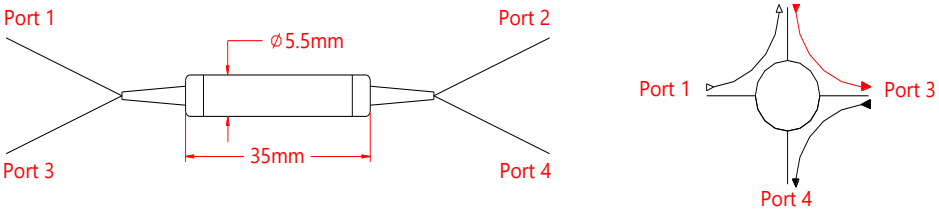
High Extinction Ratio
High Isolation
Low Insertion Loss
High Reliability

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1060	nm
Bandwidth	BW	±5	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3, 3 to 4)	IL	2.0	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3, 3 to 4)	IL	2.8	dB
Typ. Isolation (Port 2 to 1, 3 to 2, 4 to 3)	Iso	30	dB
Min. Isolation (Port 2 to 1, 3 to 2, 4 to 3)	Iso	25	dB
Min. Extinction Ratio	ER	20	dB
Min. Cross Talk	Ct	50	dB
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	300	mW
Max. Tensil Load		5	N
Fiber Type		PM Panda fiber	-
Operating Temperature	T	-5~50	℃
Storage Temperature	T	-40~85	℃
Package Dimension		Φ5.5×L35	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PMFCIR-WWWW-P-A-J-LL-CC

WWWW	P	A	J	LL	CC
Wavelength	**Port**	**Working Axis**	**Fiber Jacket**	**Fiber Length**	**Connector**
1060 - 1060nm 1064 - 1064nm	4 - 4 Ports	F - Fast Axis Blocked Slow Axis Working B - Both Axes Working	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2mm Loose Tube 3 - 3mm Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify