

1625nm 4-port Polarization Maintaining Optical Circulator

1625nm 4-port Polarization Maintaining Optical Circulator is a fiber passive component built with SM fiber, 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.

Application:

Fiber Optic Sensor
Fiber Optic Amplifier
Coherent Detecting
Testing System

Features:

High Extinction Ratio
High Isolation
Low Insertion Loss
High Reliability



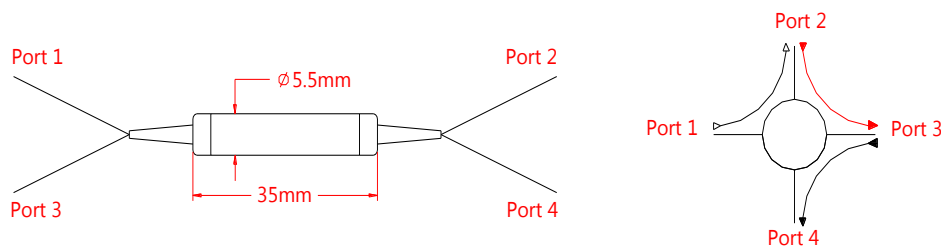
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1625	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3, 3 to 4)	IL	1.0	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3, 3 to 4)	IL	1.3	dB
Typ. Isolation (Port 2 to 1, 3 to 2, 4 to 3)	Iso	40	dB
Min. Isolation (Port 2 to 1, 3 to 2, 4 to 3)	Iso	35	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	500	mW
Max. Tensile Load		5	N
Fiber Type		PM Panda fiber	-
Operating Temperature	T	-5~50	$^{\circ}\text{C}$
Storage Temperature	T	-40~85	$^{\circ}\text{C}$
Package Dimension		$\Phi 5.5 \times L35$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}\text{C}$.

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):

PM CIR- WWWW - P - A - J - LL - CC					
WWWW	P	A	J	LL	CC
Wavelength	Port	Working Axis	Fiber Jacket	Fiber Length	Connector
1625 - 1625nm 1650 - 1650nm	4 - 4 Ports	F - Fast Axis Blocked Slow Axis Working B - Both Axes Working	B - 250um Bare Fiber 9 - 900um 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