

4 Ports Polarization Maintaining Optical Circulator (4 Ports PMCIR)

Description

The 4 ports Polarization Maintaining optical circulator is a 4 ports micro-optic device built with PM fiber. The PM Circulator transmits the incoming signal from port1 to port2, from port2 to port3, from port3 to port4 while maintaining the polarization of the signal. It is characterized with low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It is widely used in fiber amplifier systems, fiber lasers and optical fiber sensors.

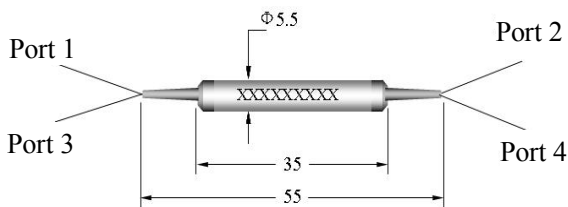
Key Features

- Low insertion loss
- High extinction ratio
- High isolation
- Excellent stability and reliability

Applications

- Fiber lasers
- Fiber amplifiers
- Fiber Sensors
- Optical Communications

Mechanical Dimension



Specifications

Parameter	Type	Unit	4 Ports Polarization Maintaining Optical Circulator			
			Type A	Type B	Type A	Type B
Center wavelength		nm	1064		1310 or 1550	
Operating bandwidth		nm	± 5		±20	
Insertion loss@23°C		dB	≤4.0	≤2.3	≤1.1	≤1.0
Extinction ratio		dB	≥20		≥20	
Isolation @23°C		dB	≥45	≥25	≥40	≥22
Return loss		dB	≥50			
Crosstalk		dB	≥50			
Handling power		mW	≤300		≤300	
Fiber type		/	PM Fiber			
Operating temperature		°C	-5 to +50		-5 to +70	
Storage temperature		°C	-40 to +85			
Dimensions		mm	Φ5.5× L35			

* IL is 0.3dB (1310~1550nm) or 0.5dB (1064nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

* The optical path: Type A: 1→2, 2→3, 3→4(Block 4→1), Type B: 1→2, 2→3, 3→4, 4→1

Ordering Information

PM CIR-X-X-XXXX-X-X-XX/XXX-XX*XX

