

3 Ports Polarization Maintaining Optical Circulator (3 Ports PMCIR)

Description

The 3 ports Polarization Maintaining optical circulator is a 3 ports micro-optic device built with PM fiber. The PM Circulator transmits a signal from port1 to port2 and transmits another signal from port2 to port3 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.

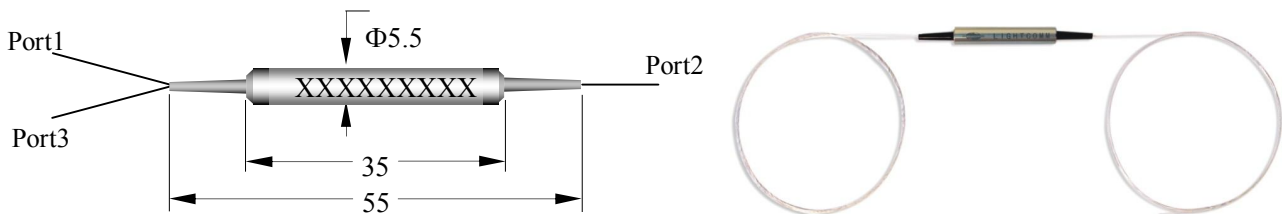
Key Features

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

Applications

- Fiber lasers
- Fiber amplifier
- Fiber Sensors
- Optical Communications

Mechanical Dimension



Specifications

Parameter \ Type	Unit	3 Ports Polarization Maintaining Optical Circulator			
		Single stage	Dual stage	Single stage	Dual stage
Center wavelength	nm	1064		1310 or 1550	
Operating bandwidth	nm	±5		±20	
Insertion loss@23°C	dB	≤2.3	≤3.5	≤0.8	≤0.9
Extinction ratio	dB	≥22			
Isolation@ 23°C	dB	≥20	≥35	≥30	≥46
Return loss	dB	≥50			
Crosstalk	dB	≥50			
Handling power	mW	≤300		≤500	
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.

Ordering Information

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

