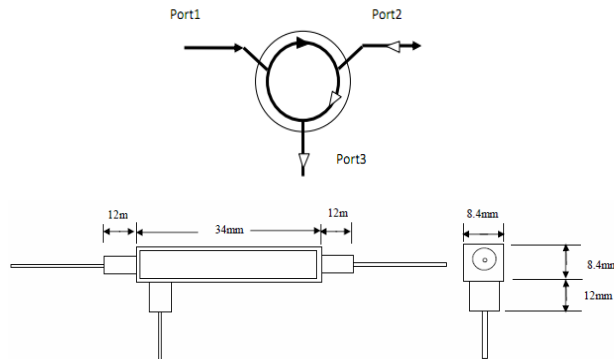


3-port Polarization Maintaining Optical Circulator 2000nm

The 3 port 2000nm (2 micron, 2μm) polarization maintaining (PM) optical circulator is a fiber optic componet built with PM panda fiber. It allows light to be transmitted in only one direction while blocking the opposite transmttion, it's light path is port 1 to port 2, and port 2 to port 3. The PM fiber circulator is widely used in 2μm optical systems where polarization maintaining characteristics are needed.



Features

- Low IL & High Isolation
- High Reliability and Stability
- Optical Path Epoxy-free
- High Power available on request

Applications

- Fiber Laser
- Fiber Instrument
- Lab & Research

Performance Specification

Parameter	Value	Unit
Center Wavelength (λc)	2000 or customized	nm
Bandwidth	±30	nm
Configuration	1X2, (port 1→2, 2→3)	
Max. Insertion Loss (λc, port 1→2, 2→3)	1.2	dB
Min. Isolation (λc, port 2→1, 3→2)	16	dB
Min. Extinction Ratio	18	dB
Min. Cross Talk (port 1→3)	40	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	0.5, 1, or 2	W
Max. Tensile Load	5	N
Fiber Type	PM 1550 Panda Fiber	
Operating Temperature	-5 to 70	°C
Storage Temperature	-40 to +85	°C
Package Dimension	L34×W8.4×H8.4	mm

Note

* Above specifications are for device without connector. For devices with connectors, IL will be 0.3dB higher, and RL will be 5dB lower.

Ordering Information

PM CIR-AAAA-BB-C-DD-EE-FF

AAAA	BB	C	DD	EE	F	FF
Wavelength	Port	Fiber Jacket	Fiber Length	Connector	Working Axis	Power
2000 - 2000nm	12 - 1 X 2	B - 250um Bare	05 - 0.5m	NE - None	F - Fast Axis	Z5 - 0.5W
SSSS - Specify		Tube	08 - 0.8m	FA - FC/APC	Blocked	01 - 1W
		L - 900um Loose	10 - 1.0m	FP - FC/PC	B - Both Axis	02 - 2W
		Tube	15 - 1.5m	SA - SC/APC	Operating	SS - Specify
			SS - Specify	SP - SC/PC		
				LA - LC/APC		
				LP - LC/PC		
				SS - Specify		