

1030nm PM 3-port Optical Circulator

1030nm PM 3-port Optical Circulator is a fiber passive component built with TGG crystal, which can change signal light transmission path, the signal can be delivered from Port 1 to Port 2, the other signal light from Port 2 to Port 3, the high isolation can block the back reflection light. It's widely used in Fiber Optic Sensor, Fiber Laser and Coherent Detecting field. If need higher power version please tell us to confirm.

Application:

Fiber Optic Sensor
Fiber Laser
Coherent Detecting
Lab & Research

Features:

High Extinction Ratio
High Isolation
Low Insertion Loss
High Reliability



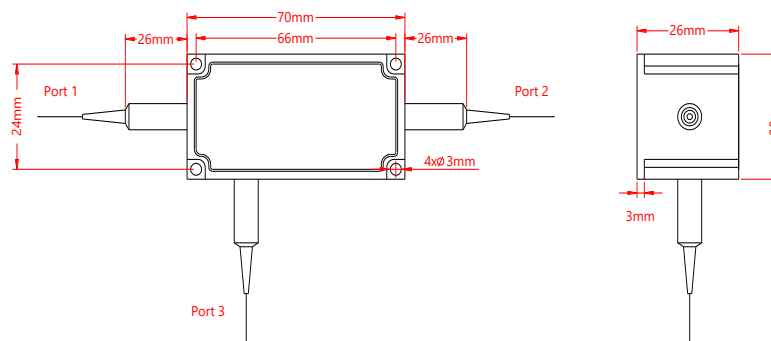
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1030	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	0.9	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	1.2	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	25	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	22	dB
Min. Extinction Ratio	ER	20	dB
Min. Cross Talk	Ct	45	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		PM Panda fiber	-
Operating Temperature	T	+10~50	°C
Storage Temperature	T	0~60	°C
Package Dimension		70x28x26	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 °C.

For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

PM CIR-**WWW**-**P**-**A**-**J**-**LL**-**CC**

WWW	P	A	J	LL	CC
Wavelength	Port	Working Axis	Fiber Jacket	Fiber Length	Connector
1020 - 1020nm	3 - 3 Ports	F - Fast Axis Blocked Slow Axis Working B - Both Axes Working	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m	NE - None
1030 - 1030nm				10 - 1.0m	FA - FC/APC
1040 - 1040nm				15 - 1.5m	FU - FC/UPC
1050 - 1050nm				20 - 2.0m	SS - Specify
1053 - 1053nm				SS - Specify	
1060 - 1060nm					
1064 - 1064nm					
1080 - 1080nm					
SSSS - Specify					