830nm PM 3-port Optical Circulator

830nm 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:

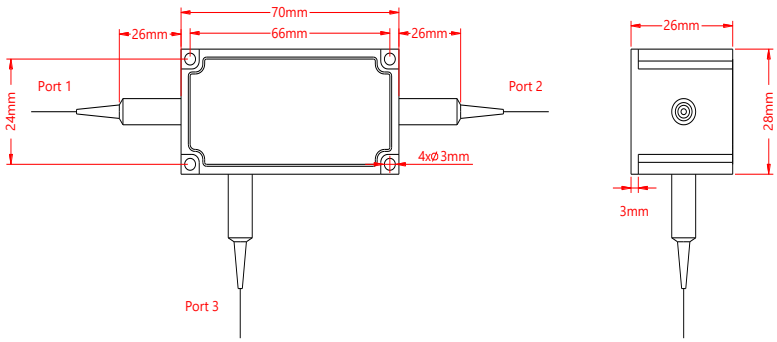
High Extinction Ratio
High Isolation
Low Insertion Loss
High Reliability

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	830	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. Tensil Load		5	N
Fiber Type		PM Panda fiber	-
Operating Temperature	T	+10~50	℃
Storage Temperature	T	0~60	℃
Package Dimension		70x28x26	mm

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

PMCIR-WWW-P-A-J-LL-CC

WWW	P	A	J	LL	CC
Wavelength	**Port**	**Working Axis**	**Fiber Jacket**	**Fiber Length**	**Connector**
800 - 800nm 808 - 808nm 810 - 810nm 820 - 820nm 830 - 830nm 850 - 850nm 895 - 895nm SSS - Specify	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 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SS - Specify