

1120nm High Power PM 3-port Optical Circulator

1120nm High Power 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 Quantum Communication, Fiber Laser and Coherent Detecting field. If need pulse type please tell us to confirm.

Application:

Quantum Communication
Fiber Laser
Coherent Detecting
Lab & Research

Features:

- High Power
- High Extinction Ratio
- High Isolation
- High Reliability



Specification:

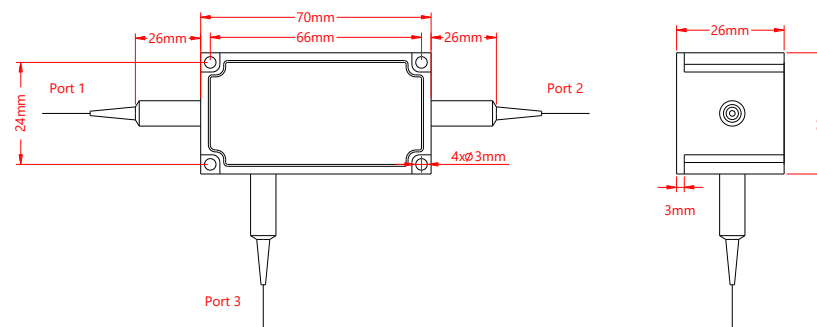
Parameter	Symbol	Value	Unit
Center Wavelength	λ	1120	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	0.9	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	1.2	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	25	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	22	dB
Min. Extinction Ratio	ER	20	dB
Min. Cross Talk	Ct	45	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	1, 3, 5, 10, 20 or Customized	W
Max. Peak Power	P	5, 10, 20 or Customized	kW
Max. Tensile Load		5	N
Fiber Type		PM 980 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℃.

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

Slow axis is default aligned to the connector key. Connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

HPMCIR-WWW-P-A-HH-J-LL-CC

WWWW	P	A	HH	J	LL	CC
Wavelength	Port	Working Axis	Handling Power	Fiber Jacket	Fiber Length	Connector
1100 - 1100nm	3 - 3 Ports	F - Fast Axis Blocked	01 - 1W	B - 250um Bare Fiber	05 - 0.5m	NE - None
1120 - 1120nm		Slow Axis Working	03 - 3W	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1150 - 1150nm		B - Both Axes Working	05 - 5W	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
SSSS - Specify		10 - 10W	3 - 3.0mm Loose Tube	20 - 2.0m	SS - Specify	
		15 - 15W				
	20 - 20W					
		SS - Specify				