

950nm High Power PM 3-port Optical Circulator

950nm 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:

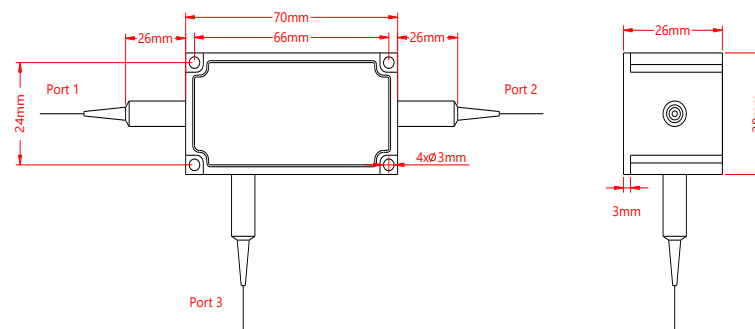
Parameter	Symbol	Value	Unit
Center Wavelength	λ	950	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	0.9	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	1.2	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	25	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	22	dB
Min. Extinction Ratio	ER	20	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 850 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, 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**

WWW	P	A	HH	J	LL	CC
Wavelength	Port	Working Axis	Handling Power	Fiber Jacket	Fiber Length	Connector
905 - 905nm 915 - 915nm 920 - 920nm 930 - 930nm 940 - 940nm 950 - 950nm 975 - 975nm 980 - 980nm SSS - Specify	3 - 3 Ports	F - Fast Axis Blocked Slow Axis Working B - Both Axes Working	01 - 1W 03 - 3W 05 - 5W 10 - 10W 15 - 15W 20 - 20W SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm 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