

1030nm 3-port Polarization Insensitive Optical Circulator

1030nm 3-port Polarization Insensitive 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 higher power version please tell us to confirm.

Application:

Quantum Communication
Fiber Laser
Coherent Detecting
Lab & Research

Features:

Low PDL
High Isolation
Low Insertion Loss
High Reliability



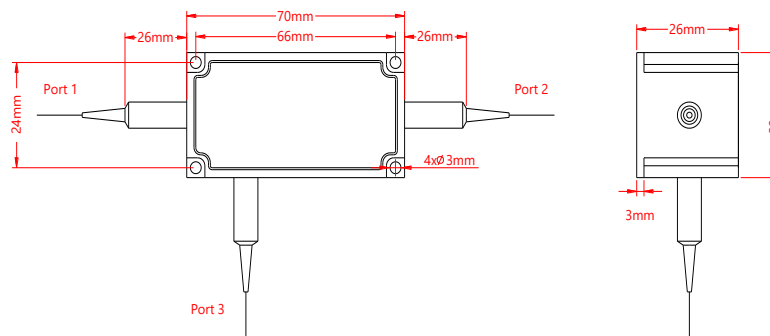
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1030	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	1.0	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	1.5	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
Max. Polarization Dependent Loss	PDL	0.15	dB
Min. Cross Talk	Ct	45	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	500 or customized	mW
Max. Tensile Load		5	N
Fiber Type		HI 1060 fiber	-
Operating Temperature	T	+10~50	°C
Storage Temperature	T	-40~85	°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.

Drawing:



Ordering Information (Part Number):

PICIR-**WWW**-**P**-**J**-**LL**-**CC**

WWW	P	J	LL	CC
Wavelength	Port	Fiber Jacket	Fiber Length	Connector
1020 - 1020nm	3 - 3 Ports	B - 250um Bare Fiber	05 - 0.5m	NE - None
1030 - 1030nm		9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1040 - 1040nm		2 - 2mm Loose Tube	15 - 1.5m	FU - FC/UPC
1050 - 1050nm		3 - 3mm Loose Tube	20 - 2.0m	SA - SC/APC
1053 - 1053nm			SS - Specify	SU - SU/APC
1060 - 1060nm				LA - LC/APC
1064 - 1064nm				LU - LC/UPC
1080 - 1080nm				SS - Specify
SSSS - Specify				