

680nm 3-port Polarization Insensitive Optical Circulator

680nm TGG 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 Fiber Amplifier System, Fiber Optic Sensor and Testing System field. If need higher power version please tell us to confirm.

Application:

Fiber Optic Sensor
Fiber Laser
Coherent Detecting
Fiber Optic Amplifier

Features:

Low PDL
High Isolation
Low Insertion Loss
High Reliability



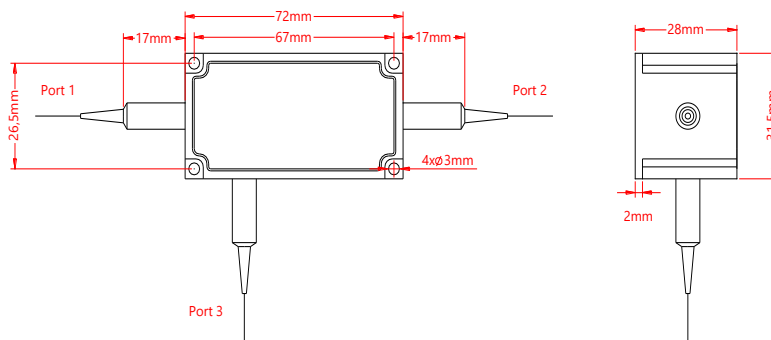
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	680	nm
Bandwidth	BW	± 5	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	20	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	18	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	300 or customized	mW
Max. Tensile Load		5	N
Fiber Type		Nufern 630-HP fiber	-
Operating Temperature	T	+10~50	°C
Storage Temperature	T	-40-85	°C
Package Dimension			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
633 - 633nm 635 - 635nm 640 - 640nm 650 - 650nm 680 - 680nm SSS - Specify	3 - 3 Ports	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 SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify