

405nm 4-port Polarization Insensitive Optical Circulator

405nm 4-port Polarization Insensitive Optical Circulator is a fiber passive component built with TGG crystal, which can change signal light transmission path, one signal can be delivered from Port 1 to Port 2, the second signal light from Port 2 to Port 3, the third signal from port 3 to port 4, the high isolation can block the back reflection light. It's widely used in Fiber Optic Sensor, Fiber Laser and Coherent Detecting field. High Power version is available upon request.

Application:

Fiber Optic Sensor
Fiber Laser
Coherent Detecting
Lab&Research

Features:

Low PDL
High Isolation
Low Insertion Loss
High Reliability



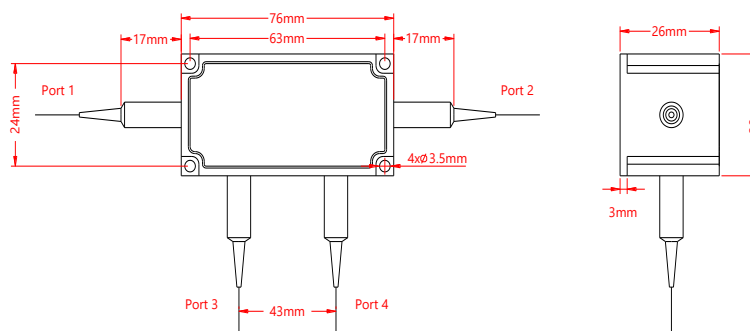
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	405	nm
Bandwidth	BW	± 5	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	1.8	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	2.2	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	23	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	20	dB
Max. Polarization Dependent Loss	PDL	0.2	dB
Min. Cross Talk	Ct	45	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	300	mW
Max. Tensile Load		5	N
Fiber Type		460-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, ER will be 2dB lower, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

PICIR-WWWW-P-J-LL-CC				
WWW	P	J	LL	CC
Wavelength	Port	Fiber Jacket	Fiber Length	Connector
405 - 405nm 410 - 410nm 420 - 420nm 430 - 430nm 440 - 440nm 450 - 450nm 458 - 458nm SSS - Specify	4 - 4 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 SS - Specify