

785nm High Power 3-port Polarization Insensitive Optical Circulator

785nm High Power 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 pulse type please tell us to confirm.

Application:

Quantum Communication
Fiber Laser
Coherent Detecting
Lab & Research

Features:

High Power
High Isolation
Low Insertion Loss
High Reliability



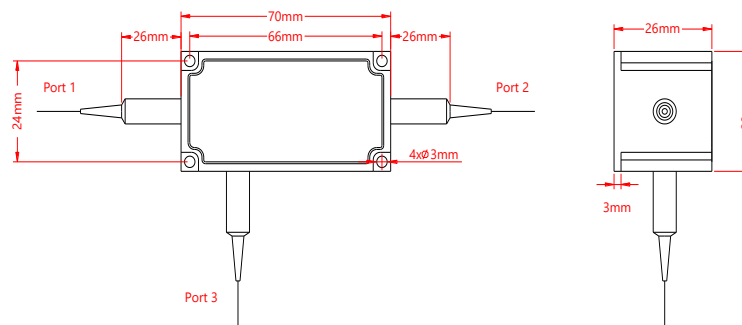
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	785	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
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	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		HI 780 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. connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

HPICIR-**WWW**-**P**-**HH**-**J**-**LL**-**CC**

WWW	P	HH	J	LL	CC
Wavelength	Port	Handling Power	Fiber Jacket	Fiber Length	Connector
760 - 760nm	3 - 3 Ports	01 - 1W	B - 250um Bare Fiber	05 - 0.5m	NE - None
780 - 780nm		03 - 3W	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
785 - 785nm		05 - 5W	2 - 2mm Loose Tube	15 - 1.5m	FU - FC/UPC
790 - 790nm		10 - 10W	3 - 3mm Loose Tube	20 - 2.0m	SS - Specify
793 - 793nm		20 - 20W		SS - Specify	
795 - 795nm		SS - Specify			
SSS - Specify					