

1120nm Faraday 3-port Polarization Insensitive Optical Circulator

1120nm Faraday 3-port Polarization Insensitive Optical Circulator is a fiber passive component built with Faraday 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:

Fiber Optic Sensor
Testing System
Coherent Detecting
Fiber Optic Amplifier

Features:

Low PDL
High Isolation
Low Insertion Loss
High Reliability



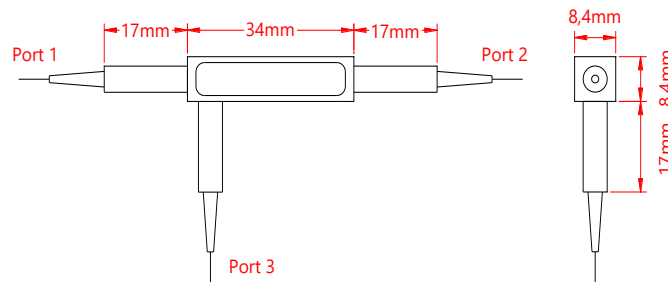
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1120	nm
Bandwidth	BW	± 5	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	2.5	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	3.2	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	23	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	16	dB
Max. Polarization Dependent Loss	PDL	0.2	dB
Max. Polarization Mode Dispersion	PMD	0.1	ps
Min. Cross Talk	Ct	45	dB
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	300	mW
Max. Tensile Load		5	N
Fiber Type		HI 1060 fiber	-
Operating Temperature	T	0~50	°C
Storage Temperature	T	-40~85	°C
Package Dimension		L34xW8.4xH8.4	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):

FPICIR- WWW - P - J - LL - CC				
WWW	P	J	LL	CC
Wavelength	Port	Fiber Jacket	Fiber Length	Connector
1120 - 1120nm SSSS - 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