1060nm Faraday 3-port Polarization Insensitive Optical Circulator

1060nm 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:

Quantum Communication
Fiber Laser
Coherent Detecting
Lab & Research

Features:

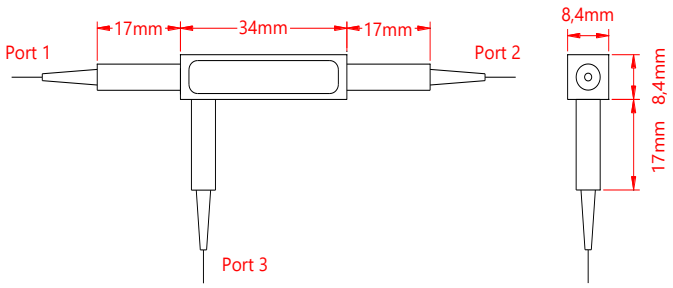
Low PDL
High Isolation
Low Insertion Loss
High Reliability

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1060	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	2.1	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	30	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	25	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	500	mW
Max. Tensil Load		5	N
Fiber Type		HI 1060 fiber	-
Operating Temperature	T	0~50	℃
Storage Temperature	T	-40~85	℃
Package Dimension		L34xW8.4xH8.4	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

FPICIR-WWWW-P-J-LL-CC

WWWW	P	J	LL	CC
Wavelength	**Port**	**Fiber Jacket**	**Fiber Length**	**Connector**
1060 - 1060nm 1064 - 1064nm	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