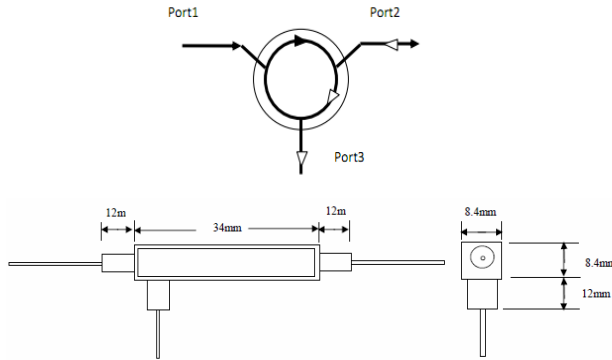


## 3-port Polarization Insensitive Optical Circulator 1053nm

The 3 port 1053nm Polarization Insensitive Optical Fiber Circulator is a fiber optic component built with single mode fiber. It allows light to be transmitted in only one direction while blocking the opposite transmission, its light path is port 1 to port 2, and port 2 to port 3. The fiber circulator is widely used in optical fiber networks and fiber instruments. High Power handling is available upon request.



### Features

- Low IL & High Isolation
- High Reliability and Stability
- Optical Path Epoxy-free
- High Power available on request

### Applications

- Fiber Laser
- Fiber Instrument
- Lab & Research

### Performance Specification

Parameter	Value	Unit
Center Wavelength ( $\lambda_c$ )	1053 or customized	nm
Bandwidth	$\pm 5$	nm
Configuration	1X2, (port 1→2, 2→3)	
Typ. Insertion Loss ( $\lambda_c$ , port 1→2, 2→3)	1.8	dB
Max. Insertion Loss ( $\lambda_c$ , port 1→2, 2→3)	2.3	dB
Typ. Isolation ( $\lambda_c$ , port 2→1, 3→2)	25	dB
Min. Isolation ( $\lambda_c$ , port 2→1, 3→2)	20	dB
Max. PDL	0.2	dB
Min. Cross Talk (port 1→3)	45	dB
Min. Directivity	50	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	300 (higher is available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	HI 1060 Fiber	
Operating Temperature	0 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension	L34×W8.4×H8.4	mm

### Note

- \* Above specifications are for device without connector. For devices with connectors, IL will be 0.3dB higher, and RL will be 5dB lower.
- \* We also offer high performance 1053nm circulators with lower insertion loss and larger package, if you need, please tell us to confirm.

### Ordering Information

#### PICIR-AAAA-BB-C-DD-EE

AAAA	BB	C	DD	EE
Wavelength	Port	Fiber Jacket	Fiber Length	Connector
1053 - 1053nm	12 - 1 X 2	B - 250um Bare	05 - 0.5m	NE - None
SSSS - Specify		Tube	08 - 0.8m	FA - FC/APC
		L - 900um Loose	10 - 1.0m	FP - FC/PC
		Tube	15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify