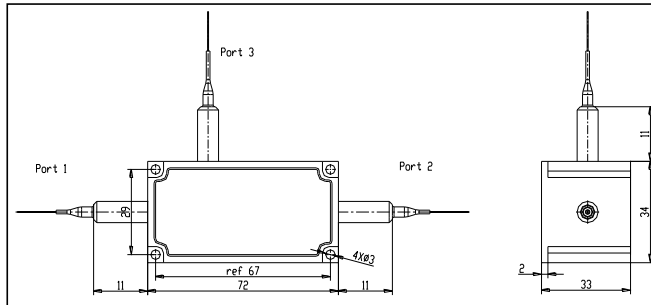


3-port Optical Circulator 810, 820, 830, 835nm

The 3 port 810, 820, 830, 835nm Polarization Insensitive Optical Fiber Circulator is a fiber optic componet built with single mode fiber. It allows light to be transmitted in only one direction while blocking the opposite transmttion, it's 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

Applications

- Fiber Laser
- Fiber Amplifier
- Lab & Research

Performance Specification

Parameter	Value	Unit
Center Wavelength (λ_c)	810, 820, 830, 835 or customized	nm
Bandwidth	± 10	nm
Configuration	1X2, (port 1 $\rightarrow$ 2, 2 $\rightarrow$ 3)	
Typ. Insertion Loss (λ_c , port 1 $\rightarrow$ 2, 2 $\rightarrow$ 3)	1.2	dB
Max. Insertion Loss (λ_c , port 1 $\rightarrow$ 2, 2 $\rightarrow$ 3)	1.7	dB
Min. Isolation (λ_c , port 2 $\rightarrow$ 1)	22(typ.25)	dB
Min. Isolation (λ_c , port 3 $\rightarrow$ 2)	15(typ.18)	dB
Max. PDL	0.2	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	500 (higher is available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	HI 780 Fiber	
Operating Temperature	0 to +70	$^{\circ}\text{C}$
Storage Temperature	-40 to +85	$^{\circ}\text{C}$
Package Dimension		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.
* Specs may change without notice.

Ordering Information

PICIR-AAA-BB-C-DD-EE

AAA	BB	C	DD	EE
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
810 - 810nm	H7 - HI 780 Fiber	B - 250um Bare	05 - 0.5m	NE - None
820 - 820nm	SS - Specify	Tube	08 - 0.8m	FA - FC/APC
830 - 830nm		L - 900um Loose	10 - 1.0m	FP - FC/PC
835 - 835nm		Tube	15 - 1.5m	SA - SC/APC
SSS - Specify			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify