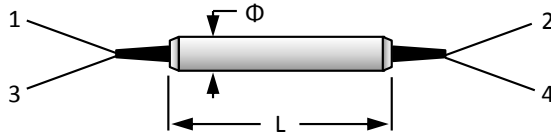


4-port Polarization Insensitive Optical Circulator 1450nm

The 4 port 1450nm 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 transmttn, its light path is port 1 to port 2, port 2 to port 3, and port3 to port4. 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

- EDFA
- Fiber Instrument
- DWDM OADM System
- Test & Measurement

Performance Specification

Parameter	Value	Unit
Center Wavelength (λ_c)	1450, 1455 or customized	nm
Bandwidth	± 30	nm
Configuration	2X2, (port 1 $\rightarrow$ 2, 2 $\rightarrow$ 3, 3 $\rightarrow$ 4)	
Typ. Insertion Loss (λ_c , port 1 $\rightarrow$ 2, 2 $\rightarrow$ 3, 3 $\rightarrow$ 4)	0.8	dB
Max. Insertion Loss (λ_c , port 1 $\rightarrow$ 2, 2 $\rightarrow$ 3, 3 $\rightarrow$ 4)	1.0	dB
Typ. Isolation (λ_c , port 2 $\rightarrow$ 1, 3 $\rightarrow$ 2, 4 $\rightarrow$ 3)	50	dB
Min. Isolation (all λ , port 2 $\rightarrow$ 1, 3 $\rightarrow$ 2, 4 $\rightarrow$ 3)	32	dB
Max. PDL	0.2	dB
Max. PMD	0.1	ps
Min. Cross Talk (port 1 $\rightarrow$ 3, 2 $\rightarrow$ 4)	50	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	SMF-28e Fiber	
Operating Temperature	-5 to +70	$^{\circ}\text{C}$
Storage Temperature	-40 to +85	$^{\circ}\text{C}$
Package Dimension	$\Phi 5.5 \times L68$	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.

Ordering Information

PICIR-AAAA-BB-C-DD-EE

AAAA	BB	C	DD	EE
Wavelength	Port	Fiber Jacket	Fiber Length	Connector
1450 - 1450nm	22 - 2 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