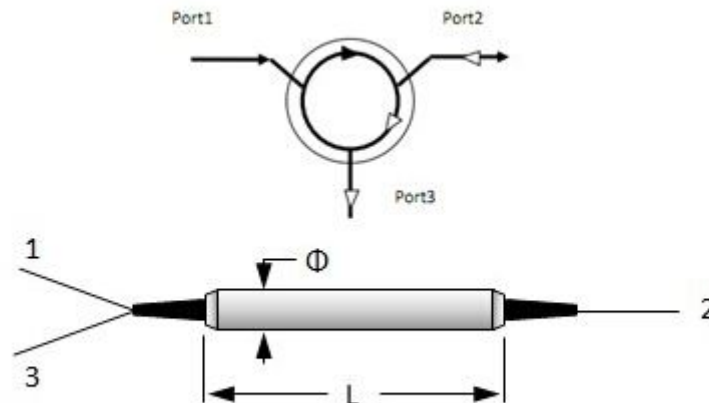


3-port 1310nm Broadband OCT Optical Circulator

Wavelength: 1310nm
Handling Power: 500mW
Fiber Type: Single Mode Fiber



Description

The 3 port 1310nm Broadband (1280-1400nm) 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 ideal for Optical Coherence Tomography OCT systems

Feature

- Low IL & High Isolation
- High Reliability and Stability
- Optical Path Epoxy-free
- Broadband

Application

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

Specification

Parameter	Value	Unit
Center Wavelength (λ_c)	1310	nm
Operating Wavelength Range	1280-1400	nm
Configuration	1X2, (port 1→2, 2→3)	
Typ. Insertion Loss (λ_c , port 1→2, 2→3)	1.2	dB
Max. Insertion Loss (λ_c , port 1→2, 2→3)	1.5	dB
Typ. Isolation (port 2→1, 3→2)	36	dB
Min. Isolation (port 2→1, 3→2)	32	dB
Max. PDL	0.15	dB
Max. PMD	0.1	ps
Min. Cross Talk (port 1→3)	50	dB
Min. Directivity	50	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	500 (higher is available upon request)	
Max. Tensile Load	5	
Fiber Type	SMF-28e Fiber	
Operating Temperature	-5 to +70	
Storage Temperature	-40 to +85	
Package Dimension	Φ5.5×L50	

* 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
1214 - 1280-1400nm SSSS - Specify	12 - 1 X 2	B - 250um Bare Tube L - 900um Loose Tube	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA - SC/APC SP - SC/PC LA - LC/APC LP - LC/PC SS - Specify