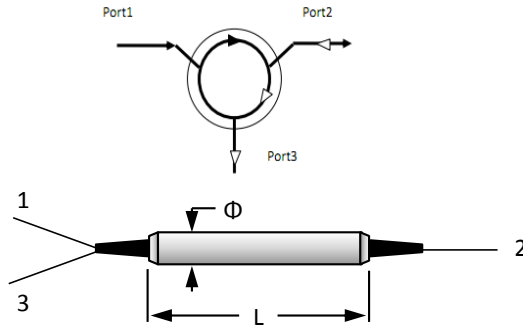


3-port Multimode Polarization Insensitive Optical Circulator S+C+L Band

The 3 port S+C+L Band Multimode Polarization Insensitive Optical Fiber Circulator is a fiber optic component built with multimode 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
- Broadband operating
- Optical Path Epoxy-free
- High Power available on request

Applications

- Fiber Instrument
- DWDM OADM System
- Test & Measurement

Performance Specification

Parameter	Value	Unit
Operating Wavelength (λ_c)	S+C+L Band: 1460 to 1620	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)	1.7	dB
Typ. Isolation (λ_c , port 2→1, 3→2)	32	dB
Min. Isolation (λ_c , port 2→1, 3→2)	27	dB
Max. PDL	0.2	dB
Min. Directivity	40	dB
Min. Return Loss	35	dB
Max. Optical Power (CW)	500 (higher is available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	50/125, 62.5/125 multimode fiber	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°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

MMCIR-SCL-BB-CC-D-EE-FF

SCL	BB	CC	D	EE	FF
Wavelength	Port	Fiber Type	Fiber Jacket	Fiber Length	Connector
SCL - S+C+L Band	12 - 1 X 2	M5 - 50/125 μ m Fiber	B - 250 μ m Bare	05 - 0.5m	NE - None
SS - Specify		M6 - 62.5/126 μ m Fiber	Tube	08 - 0.8m	FA - FC/APC
			L - 900 μ m 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