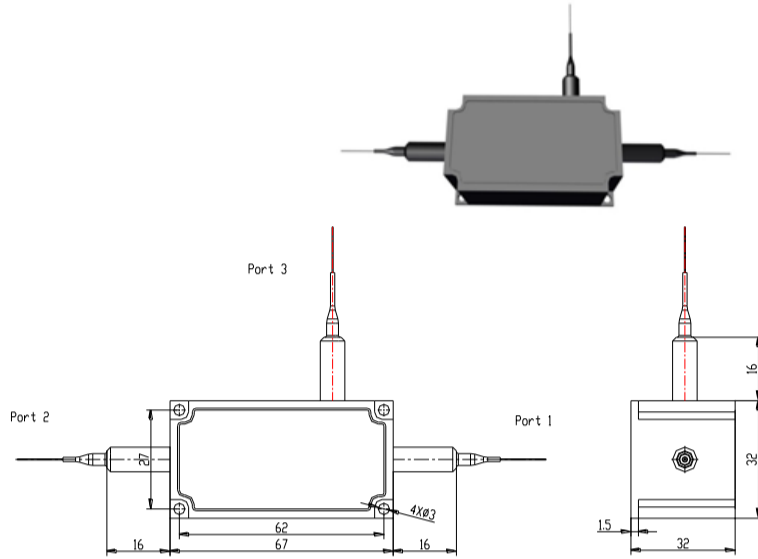


3-port Multi-mode Optical Circulator 790 793 800 810 nm

The 3 port 790 793 800 810 nm Multi-mode Optical Fiber Circulator is a fiber optic component built with multi-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 optical circulator could be built by 50/125µm or 62.5/125µm multimode fiber.



Features

Low IL & High Isolation
High Reliability and Stability
Broadband

Applications

Fiber Instrument
Fiber Sensor
Test & Measurement

Performance Specification

Parameter	Value	Unit
Center Wavelength (λ_c)	790 793 800 810 nm or customized	nm
Bandwidth	± 10 (Broader available upon request)	nm
Configuration	1X2, (port 1→2, 2→3)	
Typ. Insertion Loss (λ_c , port 1→2, 2→3)	0.8	dB
Max. Insertion Loss (λ_c , port 1→2, 2→3)	1.5	dB
Min. Isolation (λ_c , port 2→1)	22	dB
Min. Isolation (λ_c , port 3→2)	12	dB
Min. Return Loss	30 (Typ. 40)	dB
Max. Optical Power (Continuous Wave)	1	W
Max. WDL	0.5 (Typ. 0.25)	dB
Fiber Type	50/125µm or 62.5/125µm Multi-mode Fiber	
Operating Temperature	5 to +65	°C
Storage Temperature	-40 to +85	°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.

Ordering Information

MM CIR-AAA-BB-CC-D-EE-FF

AAA	BB	CC	D	EE	FF
Wavelength	Port	Fiber Type	Fiber Jacket	Fiber Length	Connector
790 - 790nm	12 - 1 X 2	M5 - 50/125µm Fiber	B - 250µm Bare	05 - 0.5m	NE - None
793 - 793nm		M6 - 62.5/125µm Fiber	Tube	08 - 0.8m	FA - FC/APC
800 - 800nm			L - 900µm Loose	10 - 1.0m	FP - FC/PC
810 - 810nm			Tube	15 - 1.5m	SA - SC/APC
SSS - Specify				SS - Specify	SP - SC/PC
					LA - LC/APC
					LP - LC/PC
					SS - Specify