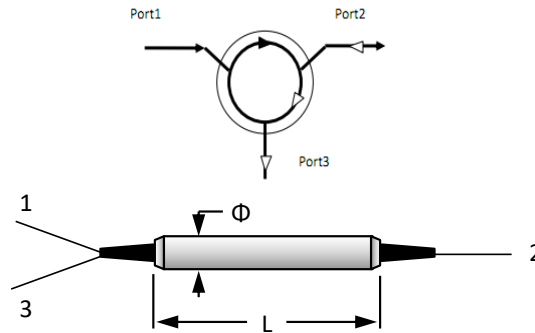


## 3-port Multi-mode Optical Circulator 1450 1480 nm

The 3 port 1450 1480 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 fiber circulator is widely used in optical fiber networks and fiber instruments.



### Features

Low IL & High Isolation  
High Reliability and Stability

### Applications

Fiber Instrument  
DWDM OADM System  
Test & Measurement

### Performance Specification

Parameter	Value	Unit
Center Wavelength ( $\lambda_c$ )	1450, 1480 or customized	nm
Bandwidth	$\pm 20$	nm
Configuration	1X2, (port 1→2, 2→3)	
Typ. Insertion Loss ( $\lambda_c$ , port 1→2, 2→3)	0.9	dB
Max. Insertion Loss ( $\lambda_c$ , port 1→2, 2→3)	1.5	dB
Typ. Isolation ( $\lambda_c$ , port 2→1, 3→2)	30	dB
Min. Isolation ( $\lambda_c$ , port 2→1, 3→2)	25	dB
Max. PDL	0.2	dB
Min. Directivity	40	dB
Min. Return Loss	40	dB
Max. Optical Power (Continuous Wave)	500 (higher is available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	50/125, 62.5/125um Multi-mode 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-AAAA-BB-CC-D-EE-FF

AAAA	BB	CC	D	EE	FF
Wavelength	Port	Fiber Type	Fiber Jacket	Fiber Length	Connector
1450 - 1450nm	12 - 1 X 2	M5 - 50/125um Fiber	B - 250um Bare	05 - 0.5m	NE - None
1480 - 1480nm		M6 - 62.5/125um Fiber	Tube	08 - 0.8m	FA - FC/APC
SSSS - Specify			L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
				15 - 1.5m	SA - SC/APC
				SS - Specify	SP - SC/PC
					LA - LC/APC
					LP - LC/PC
					SS - Specify