1310nm 3-port Multimode Optical Circulator

1310nm 3-port Multimode Optical Circulator is a fiber passive component built with MM fiber, which can change signal light transmission path, the signal can be delivered from Port 1 to Port 2, the other signal light from Port 2 to Port 3, the high isolation can block the back reflection light. It's widely used in WDM System, Fiber Optic Sensor and Testing System field. The multimode fiber can be 50/125 or 62.5/125 fiber.

Application:

Fiber Optic Sensor
CWDM, DWDM System
Testing System
Fiber Optic Amplifier

Features:

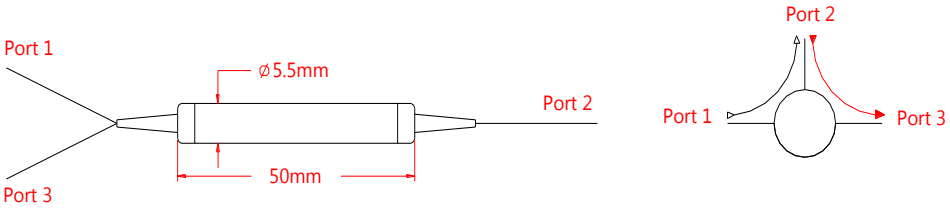
High Return Loss
High Isolation
Low Insertion Loss
High Reliability

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1310	nm
Bandwidth	BW	±30	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	0.8	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	1.2	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	32	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	30	dB
Max. Polarization Dependent Loss	PDL	0.15	dB
Min. Cross Talk	Ct	40	dB
Min. Directivity		40	dB
Min. Return Loss	RL	40	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensil Load		5	N
Fiber Type		50/125, 62.5/125 MM fiber	-
Operating Temperature	T	-5~70	℃
Storage Temperature	T	-40~85	℃
Package Dimension		Φ5.5×L50	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

MMCIR-WWWW-P-FF-S-J-LL-CC

WWWW	P	FF	J	LL	CC
Wavelength	**Port**	**Fiber Type**	**Fiber Jacket**	**Fiber Length**	**Connector**
1310 - 1310nm 1550 - 1550nm	3 - 3 Ports	M5 - 50/125 M6 - 62.5/125	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify