

## 850nm 3-port Multimode Optical Circulator

850nm 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 Fiber Optic Sensor, Fiber Amplifier and Testing System field. The multimode fiber can be 50/125 or 62.5/125 fiber.

### Application:

Fiber Optic Sensor  
Fiber Optic Amplifier  
Testing System  
Lab & Research

### Features:

High Return Loss  
High Isolation  
Low Insertion Loss  
High Reliability



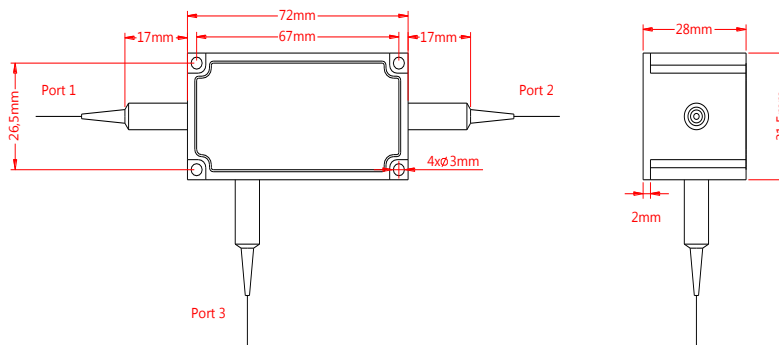
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	850	nm
Bandwidth	BW	$\pm 30$	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	1.5	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	25	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	20	dB
Max. Wavelength Dependent Loss	WDL	0.45	dB
Min. Return Loss	RL	30	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		50/125, 62.5/125 MM fiber	-
Operating Temperature	T	+5~65	°C
Storage Temperature	T	-40~85	°C
Package Dimension			mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

### Drawing:



### Ordering Information (Part Number):

MMCIR- <b>WWW</b> - <b>P</b> - <b>FF</b> - <b>S</b> - <b>J</b> - <b>LL</b> - <b>CC</b>					
<b>WWW</b>	<b>P</b>	<b>FF</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Port	Fiber Type	Fiber Jacket	Fiber Length	Connector
830 - 830nm	3 - 3 Ports	M5 - 50/125	B - 250um Bare	05 - 0.5m	NE - None
835 - 835nm		M6 - 62.5/125	Fiber	10 - 1.0m	FA - FC/APC
850 - 850nm			9 - 900um Loose	15 - 1.5m	FU - FC/UPC
SSS - Specify			Tube	20 - 2.0m	SA - SC/APC
				SS - Specify	SU - SU/APC
					LA - LC/APC
					LU - LC/UPC
					SS - Specify