

## S+C+L 3-port Multimode Optical Circulator

S+C+L 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



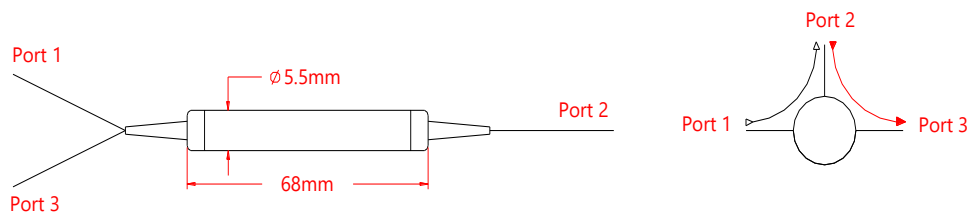
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	S+C+L	nm
Bandwidth	BW	1460-1620	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	0.9	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	2.0	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	35	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	28	dB
Max. Polarization Dependent Loss	PDL	0.2	dB
Min. Cross Talk	Ct	40	dB
Min. Directivity		40	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	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L68$	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):

MM CIR- <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
SCL - 1460-1620nm CL - 1530-1620nm	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