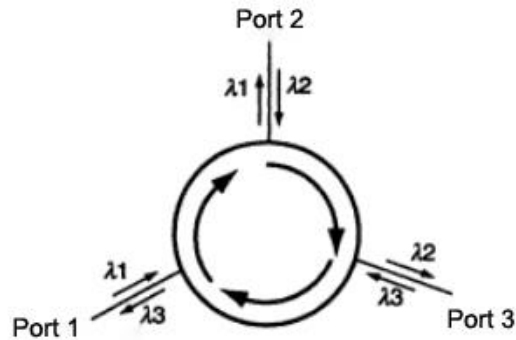


3 Port 1550nm PM Fiber Circulator Datasheet

Widely used in add-drop multiplexers/bidirectional pumps/dispersion compensation equipment.



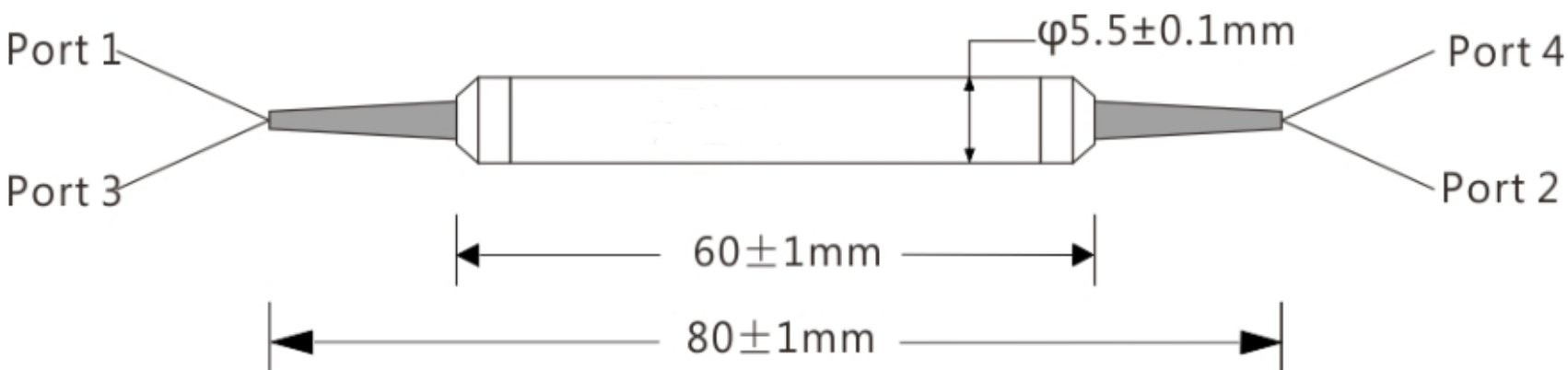
• Description

Signals entering port 1 will exit port 2 with minimal loss, and signals entering port 2 will exit port 3 with minimal loss. Light entering port 2 has a lot of loss at port 1, and light entering port 3 has a lot of loss at ports 2 and 1. Optical circulators are non-reciprocal devices. This means that any changes in light properties caused by the device will not be reversed by propagating in the opposite direction.

• Features

- High isolation
- Low insertion loss
- Compact construction
- High stability and reliability
- 100% tested before delivery
- Compact Inline Package
- Epoxy free light path
- High extinction ratio

• Circulator drawing (Unit: mm):



• Specifications:

Parameter	Unit	Specification
		3 Port 1310nm PM Fiber Circulator Datasheet
Directivity	-	Port1 to port2 to port3
Central wavelength	nm	1550
Working bandwidth	nm	$\lambda \pm 20$
Typical peak isolation	dB	40
Min isolation@23°C, full wavelength	nm	25
Typical insertion loss@23°C	dB	≤ 0.7
Insertion loss	dB	≤ 0.9
Crosstalk	dB	> 50
Return loss	dB	≥ 50
Directivity(1~3)	dB	≥ 50
PDL	dB	≤ 0.2
Max Average Power	mW	300
Extinction Ratio	dB	> 22
Operating Temperature	°C	-5~+70
Storage Temperature	°C	-40~+85
Fiber Type	-	1310nm PM Panda Fiber
Fiber length	cm	As Customized
Package	mm	$\Phi 5.5 \times L50$
Connector	-	FC-APC/PC