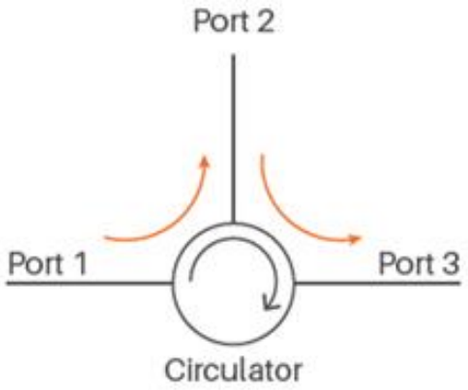
3 Port Fiber Circulator Datasheet

Widely used in Fiber Laser/Optical fiber sensor/Fiber amplifier/Field of optical communication/DWDM system.



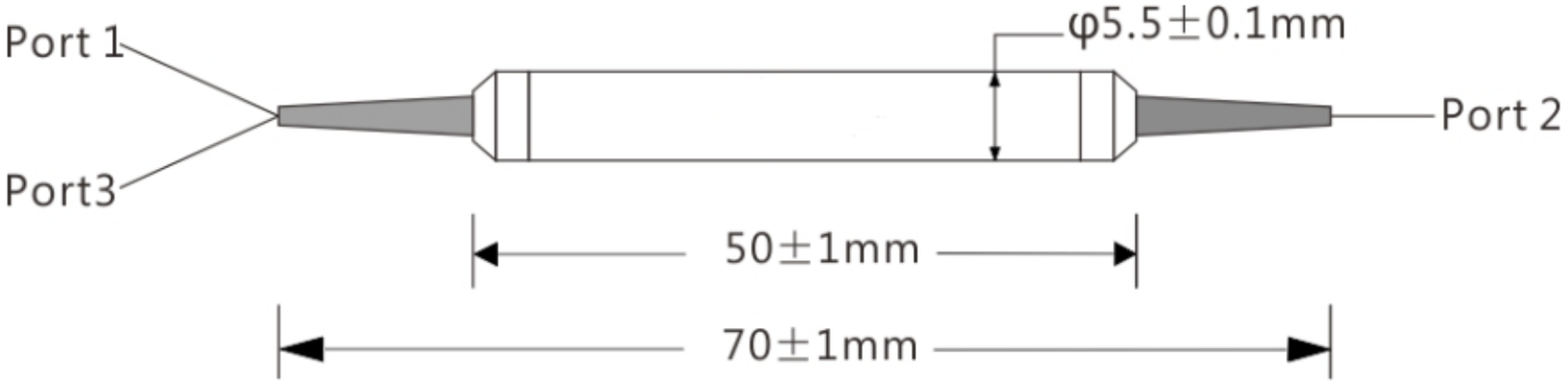
- **Description**

Three-port optical fiber circulator is a kind of non-anisotropic optical device, and light can only travel in one direction. If the signal is input from Port 1, it will be output from Port 2, and if the signal is input from Port 2, it will be output from Port 3, with very little loss in the output. When light is input from Port 2, it loses a lot when it is output from Port 1, just as it loses a lot when light is input from Port 3 and output from Port 1 and 2.

- **Features**

- High isolation
- Low insertion loss
- Compact construction
- High stability and reliability
- Meets TelcordiaGR-1209 and GR-1221, meets ROHS standard
- 100% tested before delivery

- **Circulator drawing （Unit: mm):**



- Specifications:

Parameter	Unit	Specification	
		Grade P	Grade A
Directivity	-	Port1 to port2 to port3	
Central wavelength	nm	1310 or 1550	
Working bandwidth	nm	λ±30	
Typical peak isolation	dB	50	
Min isolation@23℃, full wavelength	nm	40	
Typical insertion loss@23℃	dB	≤0.6	≤0.8
Insertion loss	dB	≤0.8	≤1.0
Crosstalk	dB	> 50	
Return loss	dB	> 50	
PMD	Ps	≤0.1	
PDL	dB	≤0.1	
Optical Average Power	mW	500 or specified	
Tensile load	N	< 5	
Operating Temperature	℃	0~+70	
Storage Temperature	℃	-40~+85	
Fiber Type	-	G657A2 or Customized	
Fiber length	cm	As Customized	
Package	mm	Φ5.5xL60	
Connector	-	Customized	