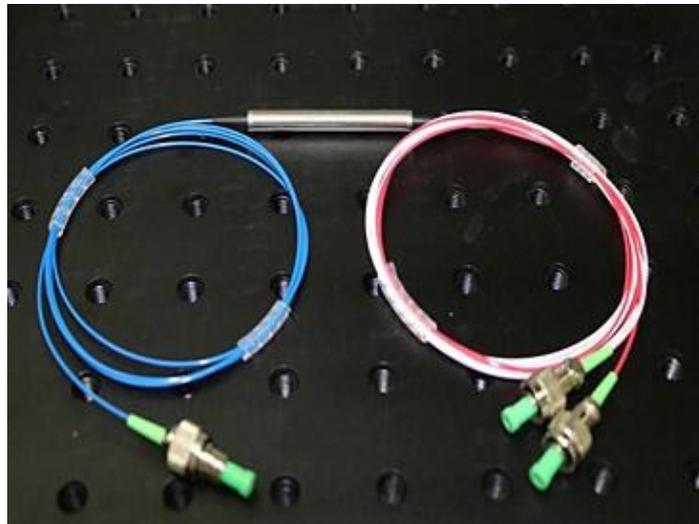


## Near-infrared broadband fiber circulator (1250-1370nm)



### ● Product Description

The optical circulator is a three-port device, and light can only propagate in one direction. If a signal is input from port 1, it will be output from port 2; if a signal is input from port 2, it will be output from port 3, and the output loss is very small. When light is input from port 2, the loss when output from port 1 is large. Similarly, when light is input from port 3, the loss when output from ports 1 and 2 is also large. Optical circulators are

non-reciprocal optical devices. Due to its high isolation and low insertion loss, fiber optic circulators are widely used in advanced communication systems.

## ● Product features

Damage threshold: 500mW 、 Ultra-wide operating band range 、 High isolation

## ● Part Number

MP-CIR-2537-A-3-SA

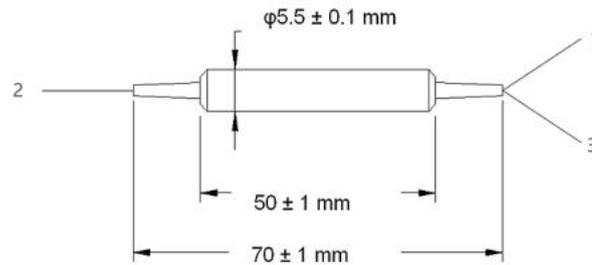
## ● Application area

Difference multiplexing 、 Light sensor 、 Bidirectional pumping 、 Bidirectional signal transmission system 、 Coaxial coupling dispersion compensation device

## ● Core parameters

Wavelength Range	Fiber Type
1250-1370nm	SMF-28e

## ● Dimension Drawing



## ● General Parameters

### Specifications

Parameters	Unit	Value
Operating wavelength range	nm	1250-1370
Max. Insertion loss (1→2, 2→3), 23°C	dB	1.1
Min. Isolation (3-2, 2-1), 23°C	dB	32
Max. Polarization-dependent loss, 23°C	dB	0.2
Max. Polarization mode dispersion, 23°C	dB	0.15
Min. Return loss, 23°C	dB	50
Min. Crosstalk (1→3), 23°C	dB	50
Max. Input optical power (CW)	mW	500
Max. Tensile load	N	5
Fiber type	-	SMF-28e Fiber
Operating temperature	°C	-5~70
Storage temperature	°C	-40~85

\*The above specifications are for devices without connectors.

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



**\*Material must be RoHS compliant.**

### Ordering Information

**MP-CIR- W□□□□-S○-P▽-☆-△-XX**

**W□□□□: Wavelength**

**1310:1310nm**

**1550:1550nm**

**0532:532nm**

**S○: PortStructure**

**12:1x2(3 ports)**

**22:2x2 (4 ports)**

**▽: Package**

**01: P1(5.5x68mm)**

**02: P2(90x20x9.5mm)**

**☆ : PigtailLength**

**05:0.5m**

**1: 1m**

**10:10m**

**△: LooseTube**

**B:Bare Fiber**



**9:900um Loose Tube**

**20:2mm Loose Tube**

**30: 2mm Loose Tube**

**XX: Fiber and Connector Type**

**SA=SMF-28E+ FC/APC**

**SP=SMF-28E+ FC/PC**

**PA=PMFiber+ FC/APC**

**PP=PMFiber+ FC/PC**