



## Polarization Insensitive Mini Fiber Circulator (FCIR Series)

Rev 11

### Description

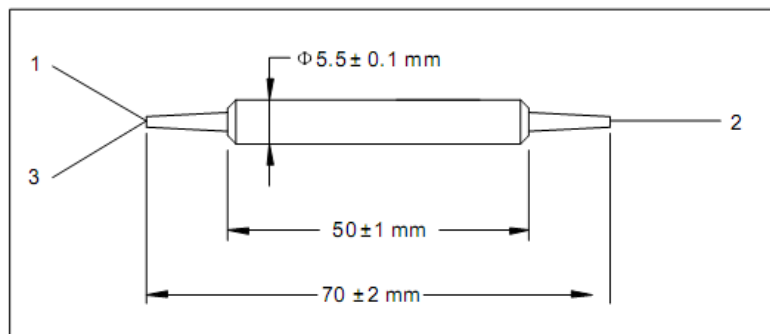
The Mini Fiber Circulator is a compact, high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. The component provides high isolation, low insertion loss, low PDL, low PMD and excellent environmental stability. It is widely used in combination with fiber gratings and other reflective components in DWDM systems, high speed systems and bi-direction communication systems.

### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1310, 1550
Operating Wavelength Range	nm	$\lambda_c \pm 20$
Typ. Insertion Loss	dB	0.7
Max. Insertion Loss	dB	0.8
Min. Isolation, 23 °C	dB	45
Min. Crosstalk	dB	50
Min. Return Loss	dB	55
Max. Polarization Dependent Loss, 23 °C	dB	0.1
Max. Polarization Mode Dispersion	ps	0.1
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type	-	SMF-28 Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85
Package Dimensions	mm	5.5 × 50

<sup>1</sup>IL is 0.3 dB higher and RL is 5 dB lower for each connector added.

### Package Dimensions



### Ordering Information

FCIR-①①-②-③-④-⑤

①①: Wavelength

31 - 1310 nm

55 - 1550 nm

SS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Jacket

B - 250  $\mu$ m Bare Fiber

L - 900  $\mu$ m Loose Tube

S - Specify

④: Fiber Length

1 - 1.0 m

S - Specify

⑤: Package Length

1 - 50 mm

S - Specify