

## 2 $\mu\text{m}$ Polarization Maintaining Fiber Optic Circulator (PM CIR Series)

Rev 11C

### Description

The 2  $\mu\text{m}$  Fiber Optic Circulator is a high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3.

### Key Features

- High Power Handling
- Low Insertion Loss

### Applications

- Fiber Laser
- Fiber Optic Instruments

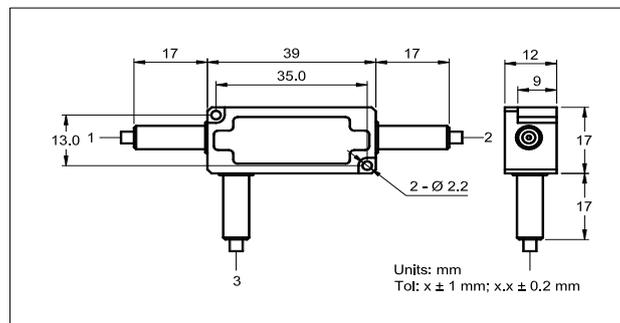
### Specifications

Parameter	Unit	Value
Operating Wavelength	nm	1950 or 2000
Max. Insertion Loss, $\lambda_c \pm 30 \text{ nm}$ , 23 °C	dB	1.5
Min. Isolation, $\lambda_c \pm 30 \text{ nm}$ , 23 °C	dB	16
Min. Crosstalk	dB	40
Min. Return Loss	dB	50
Min. Extinction Ratio	dB	18
Max. Average Optical Power	W	0.3, 0.5, 1, 2 or 5
Max. Peak Power (Pulse Width, 10 ns)	kW	10
Max. Tensile Load	N	5
Fiber Type	-	Specified by ordering info.
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85
Package Dimensions	mm	12 × 17 × 39

<sup>1</sup>IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

<sup>2</sup>The Optical Power is 1 W only for connector added.

### Package Dimensions



### Ordering Information

PM CIR-①①①①-②-③-④-⑤-⑥-⑦-⑧

①①①①: Wavelength

②: Handling Power

③: Connector Type

④: Fiber Jacket

2000 - 2000 nm

03 - 0.3 W    05 - 0.5 W

1 - FC/UPC    3 - SC/UPC

B - 250  $\mu\text{m}$  Bare Fiber

SSSS - Specify

1 - 1 W    5 - 5 W

2 - FC/APC    4 - SC/APC

L - 900  $\mu\text{m}$  Loose Tube

2 - 2 W    S - Specify

N - None    S - Specify

S - Specify

⑤: Fiber Length

Q - 0.75 m

S - Specify

⑥: Working Axis

F - Fast Axis Blocked

B - Both Axis Working

⑦: Fiber Type

1 - PM 1550 Panda Fiber

2 - Nufern PM1950 Fiber

3 - Thorlabs PM2000 Fiber

⑧: Power Type

P - Pulsed

C - Continuous Wave



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