

# Polarization Maintaining RC Fiber Filter Coupler

## Features

Low Excess Loss  
 High Polarization Extinction Ratio  
 High Stability and Reliability

## Applications

Optical Sensor  
 Optical Gyro  
 Polarization Maintaining Fiber Laser  
 Compact Optical Circuits  
 System Monitoring

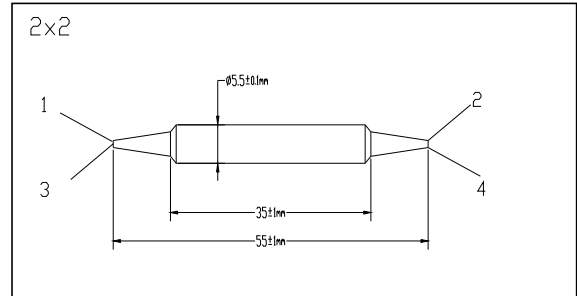
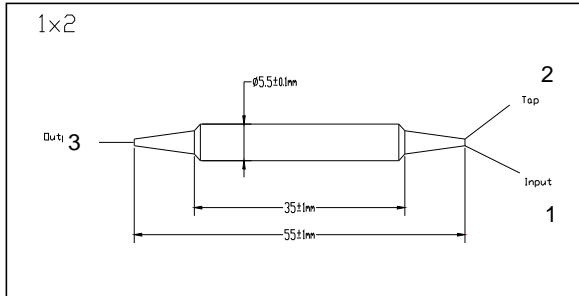
## Specifications

Parameters	Unit	Values
Center Wavelength	nm	1550
Operating Wavelength Range	nm	±20
Coupling Ratio	%	1±0.2%, 2±0.4%, 4±0.8%, 5±1.0%, 10%, 20% and 50%
Min. Return Loss	dB	50
Min. Extinction Ratio	dB	20                      18
Max. Excess Loss	dB	0.7                      1.0
Max. Uniformity (for 50/50)	dB	0.5                      0.6
Max. Optical Power (CW)	mW	500
Max. Tensile Load	N	5
Fiber Type		RC PM 1550 Panda Fiber or RC SMF-28 Fiber on Tap Port
		RC PM 1550 Panda Fiber on Input & Output Port
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*Above specifications are for devices without the connector.

\*The optical path is aligned to slow axis.

## Package Dimensions



## Ordering Information

PMRCFC-①①-②-③③-④④④④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦

①①: Wavelength  
 55 - 1550nm  
 SS - Specify

④④④④: Connector Type on Port 1, 2, 3 & 4  
 N - None

②: Port  
 1 - 1x2  
 2 - 2x2

⑤⑤⑤⑤: Fiber Jacket on Port 1, 2, 3 & 4  
 B - 170um Bare Fiber  
 L - 900um Loose Tube  
 S - Specify

③③: Coupling Ratio  
 01 - 1/99  
 02 - 2/98  
 04 - 4/96  
 05 - 5/95  
 10 - 10/90  
 20 - 20/80  
 50 - 50/50  
 SS - Specify

⑥⑥⑥⑥: Fiber Type on Port 1, 2, 3 & 4  
 R - RC SMF-28 Fiber  
 P - RC PM Panda Fiber  
 S - Specify

⑦: Fiber Length  
 0.8 - 0.8m  
 S - Specify