



1064 nm Polarization Maintaining Filter Coupler (PMFC Series)

Rev 11

Description

The 1064 nm Polarization Maintaining Filter Coupler is manufactured by using advanced technology to allow the input signal to be split at various ratios with high extinction ratio.

Key Features

- High Extinction Ratio
- Low Polarization Dependent Loss

Applications

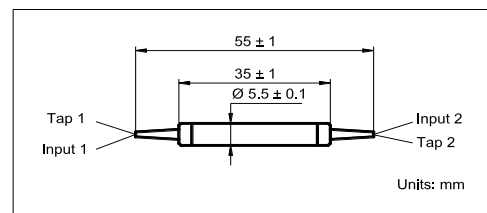
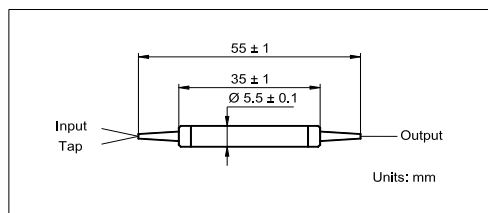
- Fiber Lasers
- Raman Amplifier
- System Monitoring

Specifications

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	1064	
Operating Wavelength Range	nm	$\lambda_c \pm 20$	
Configuration	-	1 × 2	2 × 2
Max. Excess Loss, 23 °C	dB	0.8	1.1
Tap Ratio	%	1 ± 0.5, 5 ± 1, 10 ± 2, 50 ± 5	
Min. Return Loss	dB	50	50
Min. Extinction Ratio, 23 °C	dB	20	18
Max. PDL (For SM Fiber Type), 23 °C	dB	0.1	
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Fiber Type	-	HI 1060 or PM 980 Panda Fiber for Tap Port	
	-	PM 980 Panda Fiber for input & output ports	
Operating Temperature	°C	- 5 to + 70	
Storage Temperature	°C	- 40 to + 85	

¹IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMFC-①①-②-③③-④-⑤-⑥-⑦-B

①①: Wavelength

06 - 1064 nm

SS - Specify

②: Configuration

1 - 1 × 2

2 - 2 × 2

③③: Coupling Ratio

01 - 1/99

05 - 5/95

10 - 10/90

50 - 50/50

SS - Specify

④: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑤: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑥: Fiber Type for Tap Port

H - HI 1060 Fiber

P - PM Panda Fiber

S - Specify

⑦: Fiber Length

Q - 0.75 m

S - Specify