

Polarization Maintaining Filter Coupler (PMFC Series)

Description

Rev 11

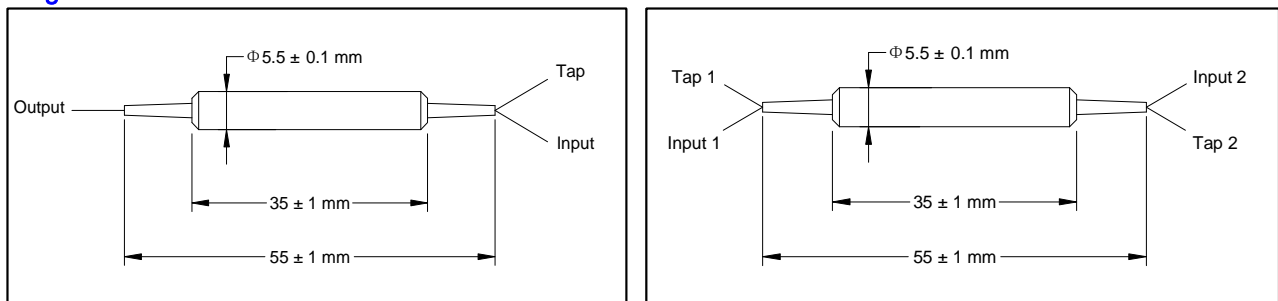
The Polarization Maintaining Filter Coupler is manufactured by using advanced technology to allow the input signal to be splitted at various ratios with high extinction ratio. It supports both polarizations.

Specifications

| Parameter | Unit | Value | |
|--------------------------------------|------|--|-------|
| Center Wavelength (λ_c) | nm | 1310, 1550 | |
| Operating Wavelength Range | nm | $\lambda_c \pm 40$ | |
| Configuration | - | 1 × 2 | 2 × 2 |
| Max. Excess Loss | dB | 0.7 | 1.0 |
| Max. Uniformity | dB | 0.6 | 0.8 |
| Tap Ratio | % | 1 ± 0.5, 5 ± 1.0, 10 ± 2.0, and 50 | |
| Min. Return Loss | dB | 50 | 50 |
| Min. Extinction Ratio | dB | 20 | 18 |
| Max. Optical Power (Continuous Wave) | mW | 300 | |
| Max. Tensile Load | N | 5 | |
| Operating Temperature | °C | - 5 to + 70 | |
| Storage Temperature | °C | - 40 to + 85 | |
| Fiber Type | - | SMF-28 or PM Panda Fiber for tap port PM Panda Fiber for Input & Output ports | |

¹IL 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.

Package Dimensions



Ordering Information

PMFC-①①-②-③③-④-⑤-⑥-⑦-⑧

①①: Wavelength

②: Configuration

③③: Coupling Ratio

④: Connector Type

31 - 1310 nm

1 - 1 × 2

01 - 1/99

1 - FC/UPC 4 - SC/APC

55 - 1550 nm

2 - 2 × 2

05 - 5/95

2 - FC/APC N - None

SS - Specify

10 - 10/90

3 - SC/UPC S - Specify

50 - 50/50

SS - Specify

⑤: Fiber Jacket

⑥: Fiber Type for Tap Port

⑦: Fiber Length

⑧: Working Axis

B - 250 μ m Panda Fiber

M - SMF-28 Fiber

Q - 0.75 m

B - Both Axis Working

L - 900 μ m Loose Tube

P - Panda Fiber

S - Specify

S - Specify

S - Specify