

# Polarization Maintaining Filter Coupler Module ( 1x4 / 1x8 )



## Features

Low Excess Loss  
Low WDL  
Low Uniformity

## Applications

PM Sensors  
Amplifiers  
Lasers

## Specifications

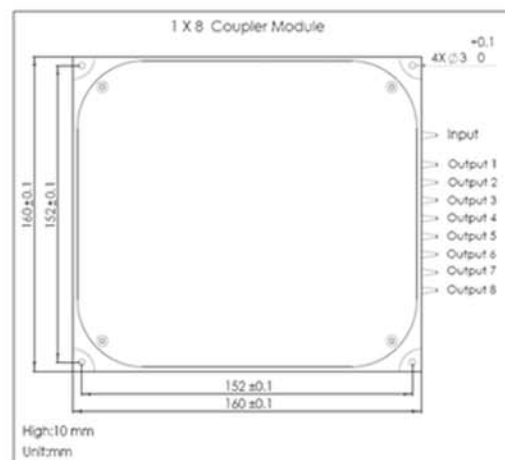
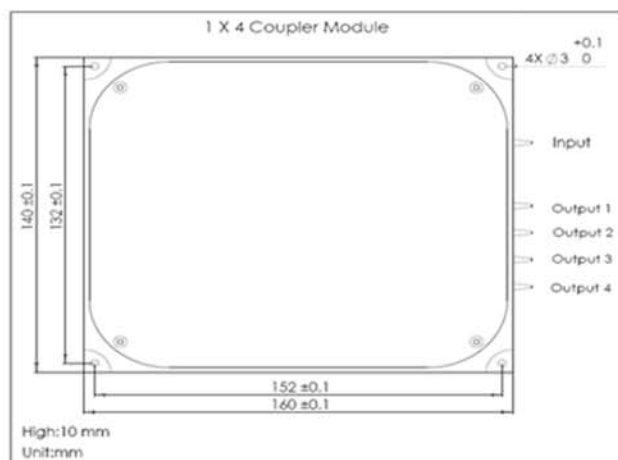
| Parameters                                   | Unit  | 1x4            | 1x8            |
|----------------------------------------------|-------|----------------|----------------|
| Center Wavelength                            | nm    | 1064           | 1064           |
| Operating Wavelength Range                   | nm    | +/-30          | +/-30          |
| Insertion Loss                               | dB    | ≤8, Typ. 7.5   | ≤11.5, Typ. 11 |
| Wavelength Dependent Loss                    | dB    | ≤0.5, Typ. 0.3 | ≤0.5, Typ. 0.3 |
| Ports IL Uniformity                          | dB    | ≤0.8           | ≤1.0           |
| Return Loss                                  | dB    | ≥50            | ≥50            |
| Directivity                                  | dB    | ≥50            | ≥45            |
| Extinction Ratio(only for B Type)            | dB    | ≥20            | ≥17            |
| Extinction Ratio(only for F Type)            | dB    | ≥23            | ≥23            |
| Polarization Dependent Loss(only for B Type) | dB    | ≤0.1           | ≤0.15          |
| Temperature Dependent Loss                   | dB/°C | ≤0.006         | ≤0.008         |
| Maximum Power Handling                       | mW    | 300            | 300            |
| Fiber Type                                   |       | PM Panda Fiber | PM Panda Fiber |
| Operating Temperature                        | °C    | -5 to +70      | -5 to +70      |
| Storage Temperature                          | °C    | -40 to +85     | -40 to +85     |
| Package Dimensions                           | mm    | 160*140*10     | 160*160*10     |

\*Above specifications are for module without connector.

\*For modules with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

\*The PM fiber and the connector key are aligned to the slow axis.

## Package Dimensions



## Ordering Information

PMFCM-①①-②②②②-③③-④⑤-⑥⑦

①①: Center Wavelength

06 - 1064nm

②②②②: Ports Configuration

0104 - 1x4

0108 - 1x8

③③: Splitting Ratio

BA - Balance

SS - Specify

④: Working Axis

F - Fast Axis Blocked

B - Both Axis Working

⑤: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑥: Fiber Type

L - 900um Loose Tube

C - 3mm Loose Cable

S - Specify

⑦: Fiber Length

0.5 - 0.5m

S - Specify