



Polarization Maintaining Filter Coupler Module(2 x 4 / 4 x 4) (PMFCM series)

The PMFCM series is manufactured using advanced technology to allow the input signal to split into multi channels by a given splitting ratio with high extinction ratio, low excess loss, low uniformity, low WDL, low PDL and low TDL. It can be widely used in PM sensors, amplifiers, lasers, etc..

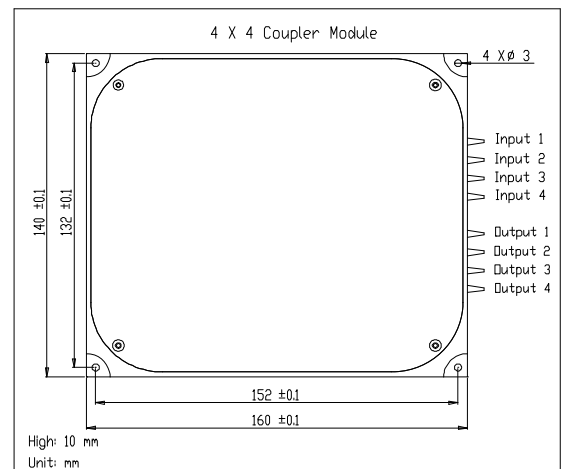
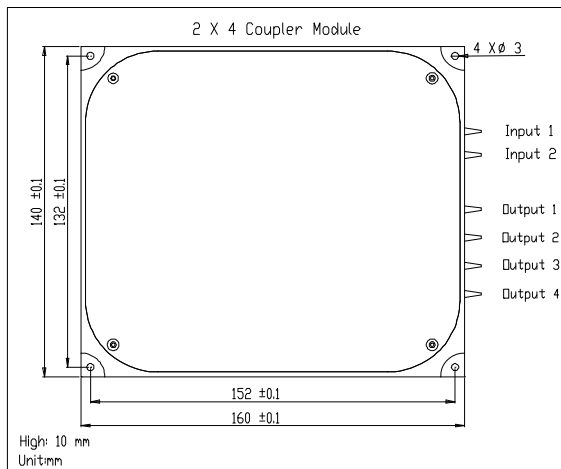
Specifications

Parameters	Unit	2x4	4x4
Center Wavelength	nm	1310 or 1550	1310 or 1550
Operating Wavelength Range	nm	+/-30	+/-30
Insertion Loss	dB	≤7.6, Typ. 7.1	≤7.8, Typ. 7.3
Wavelength Dependent Loss	dB	≤0.5, Typ. 0.3	≤0.5, Typ. 0.3
Ports IL Uniformity	dB	≤0.8	≤0.8
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	≤0.007	≤0.009
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*140*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.

Package Dimensions



Ordering Information

PMFCM-①①-②②②②-③③-④-⑤-⑥-⑦

①①: Center Wavelength

31 - 1310nm

55 - 1550nm

②②②②: Ports Configuration

0204 - 2x4

0404 - 4x4

③③: Splitting Ratio

BA - Balance

SS - Specify

④: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑤: Fiber Type

L - 900um loose tube

C - 3mm loose cable

S - Specify

⑥: Fiber Length

H - 0.5m

S - Specify

⑦: Working Axis

B - Both Slow and Fast Axis Working

F - Fast Axis Blocked

Remark: The PM fiber and the connector key are aligned to the slow axis