

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



Features

Low Excess Loss
Low WDL
Low Uniformity

Applications

PM Sensors
Amplifiers
Lasers

Specifications

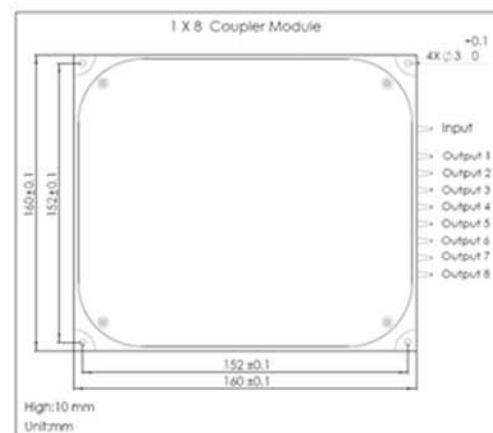
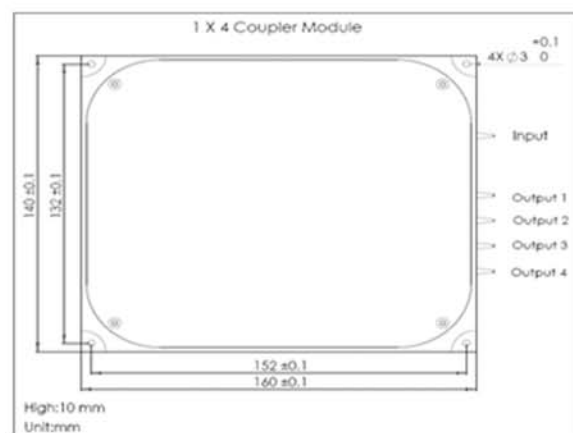
Parameters	Unit	1x4	1x8
Center Wavelength	nm	1310 or 1550	1310 or 1550
Operating Wavelength Range	nm	+/-30	+/-30
Insertion Loss	dB	≤7.5, Typ. 7.0	≤11.0, Typ. 10.5
Wavelength Dependent Loss	dB	≤0.5, Typ. 0.3	≤0.5, Typ. 0.3
Ports IL Uniformity	dB	≤0.8	≤1.0
Return Loss	dB	≥50	≥50
Directivity	dB	≥50	≥45
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
Maximum Power Handling	mW	500	500
Temperature Dependent Loss	dB/°C	≤0.006	≤0.008
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-①①-②②②②-③③-④-⑤-⑥-⑦

①①: Center Wavelength

31 - 1310nm

55 - 1550nm

④: Working Axis

F - Fast Axis Blocked

B - Both Axis Working

⑥: Fiber Type

L - 900um Loose Tube

C - 3mm Loose Cable

S - Specify

②②②②: Ports Configuration

0104 - 1x4

0108 - 1x8

⑤: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑦: Fiber Length

0.5 - 0.5m

S - Specify

③③: Splitting Ratio

BA - Balance

SS - Specify