

Polarization Maintaining Filter Coupler Module(1 x 4 / 1 x 8)

Product Features

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..

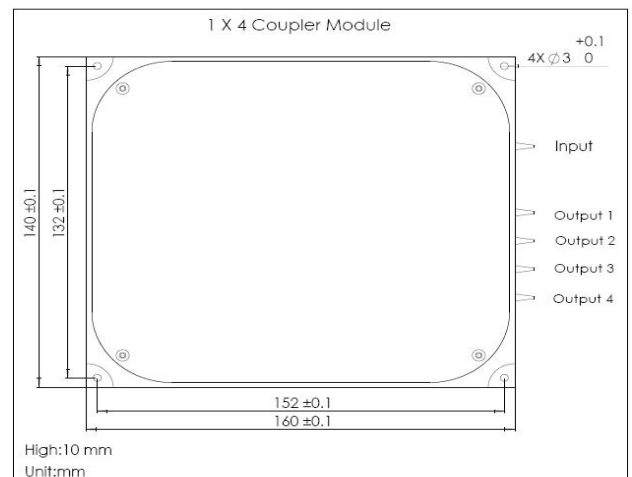
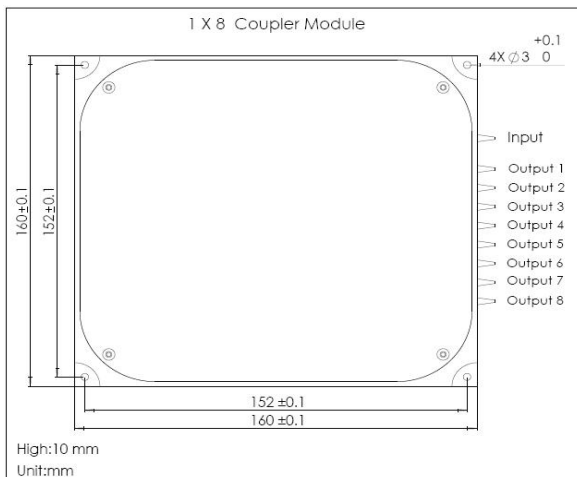
Specifications

Parameters	Unit	1x4	1x8
Center Wavelength	nm	1,550	1,550
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	≤0.9	≤1.1
Return Loss	dB	≥50	≥50
Directivity	dB	≥50	≥45
Extinction Ratio(only for B Type)	dB	≥18	≥17
Extinction Ratio(only for F Type)	dB	≥20	≥18
Polarization Dependent Loss(only for B Type)	dB	≤0.1	≤0.15
Temperature Dependent Loss	dB/°C	≤0.006	≤0.008
Fiber Type		PM 1550 Panda Fiber	PM 1550 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.

Product Package



Ordering Information						
PMCM	Wavelength	Splitting Ratio	Working Axis	Fiber Jacket	Fiber Length	Connector
1x4 1x8	1310nm 1550nm Specify	Balance Specify	Both Slow and Fast Axis Working Specify	200um Bare Fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify