

Polarization Maintaining Filter Splitter Module (1×N)

(PMFSM Series)

Description

The PMFSM series is manufactured by using advanced technology to allow the input signal to be splitted into multi channels at a given splitting ratio while maintaining the polarization of the signal. It is characterized with low insertion loss, high return loss, high extinction ratio and excellent environmental stability and reliability. There are two type of working axis, one is both axis working and another is Fast axis blocked.

Key Features

- Low insertion loss
- High extinction ratio
- Excellent stability and reliability

Applications

- Fiber lasers
- Fiber amplifiers
- Fiber Sensors
- Optical Communications

Specifications:

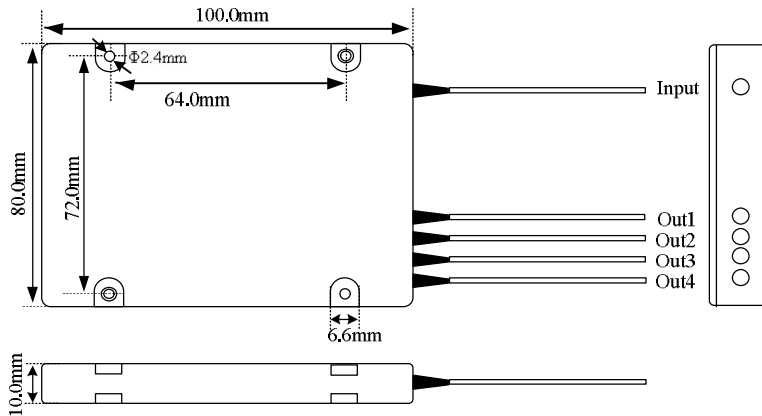
Parameter		Type	Unit	Polarization Maintaining Filter Splitter Module		
				1×4	1×8	1×16
Center wavelength			nm	1310 or 1550		
Operating bandwidth			nm	±30		
Insertion loss			dB	≤7.2	≤10.7	≤14.2
Extinction ratio	Type F		dB	≥22		
	Type B		dB	≥20	≥17	
Return loss			dB	≥50		
Directivity			dB	≥50	≥45	
Operating temperature			°C	-5~+70		
Storage temperature			°C	-40~+85		
Fiber Type			/	PM Fiber		
Package Dimensions(L×W×H)			mm	100×80×10 (ABS)		125×96×16mm(ABS)

*Type B: Both axis working, Type F: Fast axis blocked.

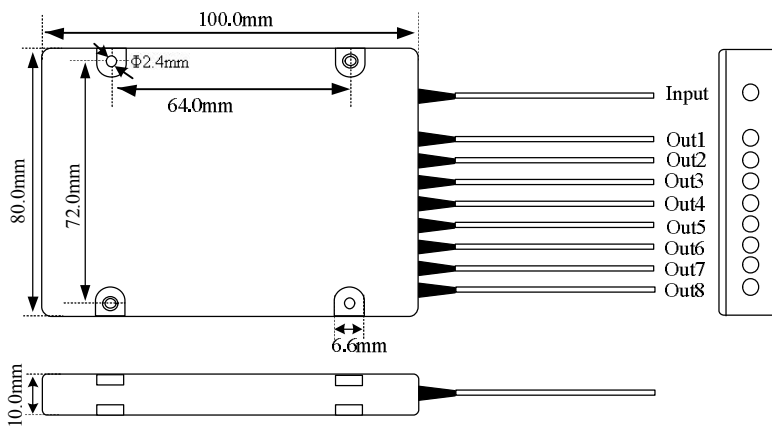
*IL is 0.3dB higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

Mechanical Dimension:

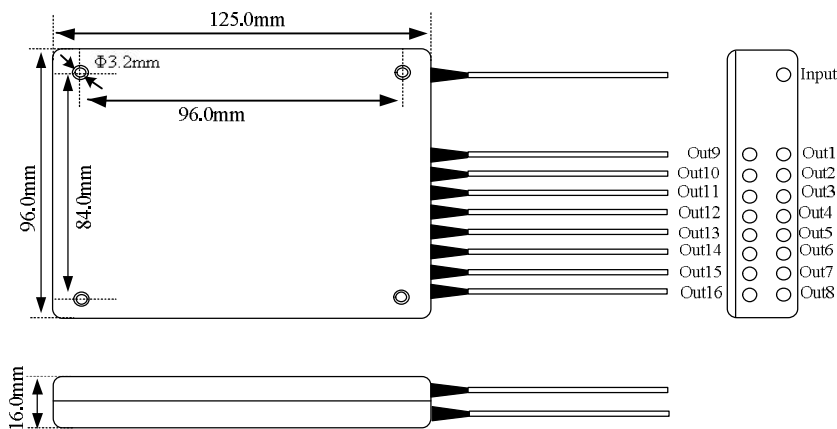
1x4 Splitter Module



1x8 Splitter Module



1x16 Splitter Module



Ordering Information

PMFSM-XXXX-XXXX-XX-X-X-XXX-XX/XXX-XXX*XX*XX

Package: 100×80×10, 125×96×16 etc

Connector: FC/UPC, FC/APC etc.

Fiber code

Pigtail Type: 0=250μm, 1=900μm, 4=others

Working axis type: B= Both axis working, F= Fast axis blocked.

Splitting ratio: EV=Evenly splitted, SS=Specify.

0104=1×4, 0108=1×8, 0116=1×16

Operating Wavelength: 1550nm etc.