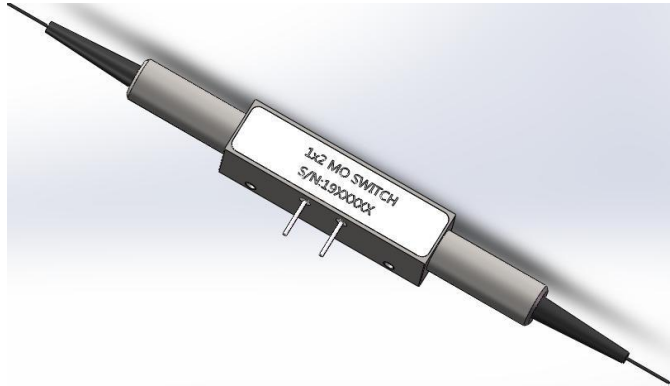




Feature

- Non-moving component
- Fast switching speed
- Extremely stable latch mode
- Low power consumption
- Excellent stability and reliability



Application

- High speed protection
- System monitoring
- Test and measurement
- Fiber optic sensing system

Specifications

Item	Unit	Parameters		Notes
		Unidirectional	Bidirectional	
Wavelength Range	nm	1525~1565		Other band optional
Insertion Loss	dB	0.8(Typ.);1.1(Max.)	0.8(Typ.);1.1(Max.)	
Return Loss	dB	≥40 (Typ 50)	≥40	
Cross-talk	dB	≥40 (Typ 50)	≥40	
ER	dB	≥18		
WDL	dB	≤0.3		
TDL	dB	≤0.3		
Repeatability	dB	+/- 0.01		
Durability	cycles	Regular (>100Billions) ; Ultra-fast(>1000Billions)		
Switching Speed	μs	Regular (50~200); Ultra-fast (5~20)		Other speed optional
Operating Temperature	°C	-5~70		
Storage Temperature	°C	-40~85		
Maximum Optical Power	mW	500		High power optional
Dimension(L×W×H)	mm	32.8x8×7		(Cap with end 51.8x8x7)

Note:

- All the specifications are based on the devices without connectors, and guaranteed over wavelength,



polarization and temperature.

- Specifications are subject to change without notice.

Pin Configurations

Parameters	Specifications		Unit
	Regular	Ultra-fast	
Switching Speed	50~200	5~20	μs
Switching Voltage (VCC)	3(+/-5%)	5~6	V
Switching Current	< 100	< 350	mA
Driving Mode	Voltage or Pulse Driving	Pulse Driving	NA
Pulse Width (typical)	1000	20	μs
Claim Frequency	<800	< 3000	Hz

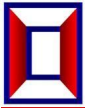
Control pin definition

Irreversible:

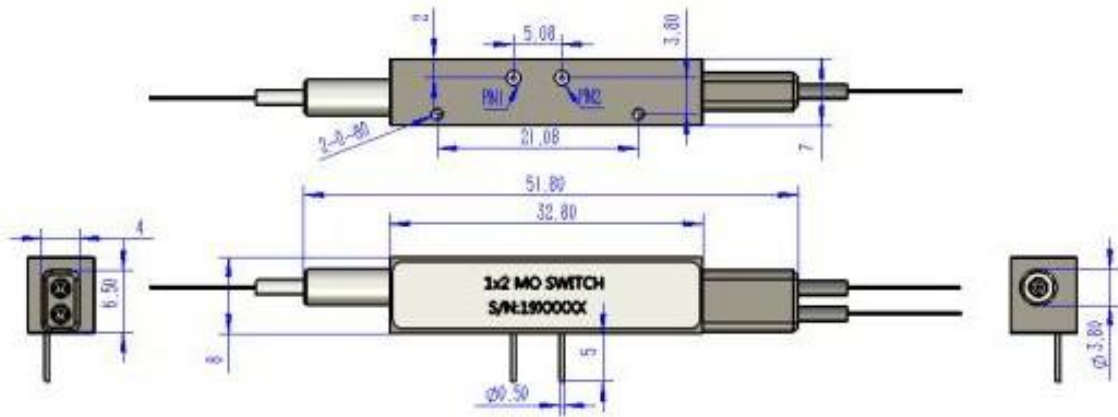
Pin1	Pin2	The Optical OutputPort
1(Voltage = VCC)	0(Voltage = GND)	IN→OUT1
0(Voltage = GND)	1(Voltage = VCC)	IN→OUT2

Reversible:

Pin1	Pin2	The Optical Output Port
1(Voltage = VCC)	0(Voltage = GND)	IN ↔ OUT1
0(Voltage = GND)	1(Voltage = VCC)	IN ↔ OUT2



Dimension(mm)



Ordering Information: HC- PMMS-A-B-C-D-E-F-G-H

PMM S-	A	B	C	D	E	F	G	H
	Working Mode	Switching Speed	Operating Wavelength	Axis Type	Fiber Tuber	Fiber Length	Fiber Type	Connector Type
	1.Regular 2. Bidirectional	1.50~200us 2.5~20us 3. Others	1.C Band1525~1565 nm 2. L Band 1565-1615nm 3.C & L Band 4.Others	1.B(Both of axis working) 2.F (Fast axis blocked)	1.250μm 2.900μm 3. Others	1.0.5 +/- 0.1 m 2. 1.0 +/- 0.1 m 3. Others	1.PM98 2.PM15 3.PM13 4.Others	0.No Connector 1. FC/UPC 2. FC/APC 3. SC/UPC 4. SC/APC 5. LC/PC 6. MU/PC 7. Others