

Features

- ▣ No moving parts,best durability
- ▣ Ultra fast switching speed
- ▣ Extremely stable latching mode
- ▣ Easy to route -all fibers on sameside
- ▣ Exceptional reliability and stability



Applications

- ▣ Optical switching
- ▣ High speed protection
- ▣ System monitoring
- ▣ Test & measurement
- ▣ Fiber-opticssensingsystem

SPerformance

Item	Unit	Parameters		Notes
		Unidirectional	Bidirectional	
Wavelength Range	nm	1525 ~ 1565		
Insertion Loss	dB	1.8 (Typ.); 2.2 (Max.)	2.0 (Typ.); 2.4 (Max.)	
Return Loss	dB	40	30	
Crosstalk	dB	40	30	
ER	dB	≥17		
PMD	ps	0.2		
Repeatability	dB	+/- 0.01		
Durability	cycles	> 30 Billions		
Switching Speed	μs	200~400		
Operating Temperature	°C	-5 ~ 70		
Storage Temperature	°C	-40 ~ 85		
Maximum Optical Power	mW	500		
Dimension(L×W×H)	mm	90×76×17.5		

*.All the specifications are based on the devices without connector, and guaranteed over wavelength, polarization and temperature.

Electrical Specifications

Parameter	Specification	Unit
Switching Speed	200~400	μs
Switching Voltage(VCC)	5 (+/-5%)	V
Switching Current	< 200	mA
Pulse Width(typical)	1000	μs
Claim Frequency	<800	Hz

*. for electrical specifications related to other switching speed, please contact us.

Pin Definition Pin

Pin No.	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6
Definition	VCC	GND	Ctrl 0	Ctrl 1	NA	NA

Pin Control Signal Corresponding to Switching Status:

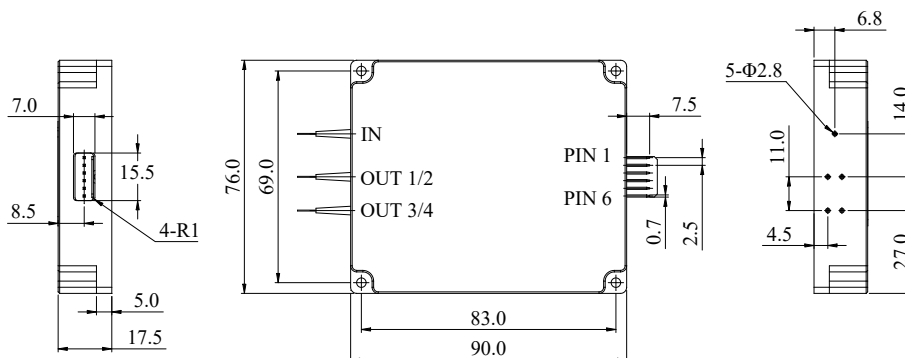
Table1: Pin control signal corresponding to switching status for unidirectional switch

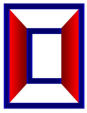
Ctrl 0	0	0	1	1	0	0	1	1
Ctrl 1	0	1	0	1	0	1	0	1
Optical Path	IN→OUT 1	IN→OUT 2	IN→OUT 3	IN→OUT 4	OUT4→IN	OUT3→IN	OUT2→IN	OUT1→IN

Table2: Pin control signal corresponding to switching status for bidirectional switch

Ctrl 0	0	0	1	1
Ctrl 1	0	1	0	1
Optical Path	IN↔OUT 1	IN↔OUT 2	IN↔OUT 3	IN↔OUT 4

Dimensions Drawing (mm)





Ordering Information: HC-MO-1×4M-PM-A-B-C-D-E-F-G

A	B	C	D	E	F	G
Working Mode	Switching Speed	Operating Wavelength	Fiber Type	Fiber Tuber	Fiber Length	Connector Type
1.Regular 2.Bidirectional	1.200~400us	1.CBand 2. L Band 3. C & L Band 4. Others	1.PM98 2.PM15 3.PM13 4.Others	1.250μm fiber 2. 900μm fiber 3. Others	1.0.5 +/- 0.1 m 2. 1.0 +/- 0.1 m 3. Others	0.No Connector 1. FC/UPC 2. FC/APC 3. SC/UPC 4. SC/APC 5. LC/PC 6. MU/PC 7. Others