

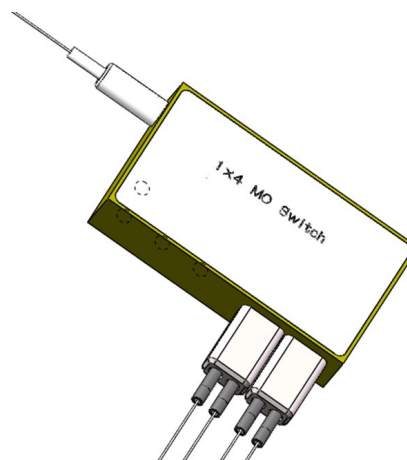


Features

- Low insertion loss
- Compact structure
- US class switching speed
- Ultra-low power consumption

Application

- Passive optical network
- Optical protection system
- Measurement system
- Network monitoring



Technical parameters

Item	Unit	Parameters		Notes
		A one-way	Two-way.	
Wavelength range	nm	1525 ~ 1565		
Insertion loss	dB	1.2 (Typ.); 1.7(Max.)	1.4 (Typ.); 2.0(Max.)	
Polarization dependent loss	dB	0.15 (Typ.); 0.25(Max.)	0.15 (Typ.); 0.30(Max.)	
Return loss	dB	≥40 (Typ.50)	≥35 (Typ.50)	
Crosstalk	dB	≥40 (Typ.50)	≥35 (Typ.50)	
Polarization mode dispersion	ps	0.2		
Repetitive	dB	+/- 0.01		
Persistent	cycles	Regular (>100Billions) ; Ultra-fast (>1000Billions)		
Switching speed	μs	Regular (50~200); Ultra-fast (2~20)		
Working temperature	°C	-5 ~ 70		
Storage temperature	°C	-40 ~ 85		
Light power	mW	500		
Size (L×W×H)	mm	37×21×7.5		

*. Wear of all specifications does not include wear of connectors and does not include wear under special conditions.



Driver pin definition

A one-way

Pin No.	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
IN → OUT1	+	—	+	—	—	+	+	—
IN → OUT2	—	+	—	+	—	+	+	—
IN → OUT3	+	—	—	+	+	—	—	+
IN → OUT4	—	+	+	—	+	—	—	+

Two-way.

Pin No.	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
IN ↔ OUT1	+	—	+	—	—	+	+	—
IN ↔ OUT2	—	+	—	+	—	+	+	—
IN ↔ OUT3	+	—	—	+	+	—	—	+
IN ↔ OUT4	—	+	+	—	+	—	—	+

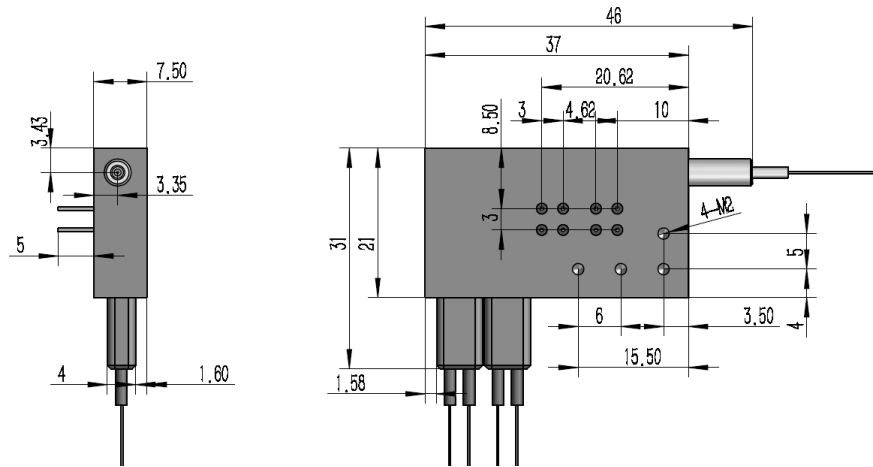
Electronic control parameters

Parameters	Specifications		Unit
	Regular	Ultra-fast	
Switching Speed	50~200	2~20 (Typ.5)	μs
Switching Voltage (VCC)	3(+/-5%)	3-7.5	V
Switching Current	< 100	< 350	mA
Driving Mode	Voltage or Pulse Driving	Pulse Driving	NA
Pulse Width (typical)	300(Typ.); 500(Max.)	10	μs
Claim Frequency	<1000	< 3500	Hz

Note: excess of this driving voltage may damage the device.



Overall dimensions (mm)



Order information HC - MOS-1×4ZT -A-B-C-D-E-F

A	B	C	D	E	F
Working mode	Switching speed	Working wavelength	Optical fiber type	Fiber length	Connection header type
1. A one-way 2. two-way	1. 50~200us 2.2~20us 3. Others	1.CBand1525~1565 nm 2. 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