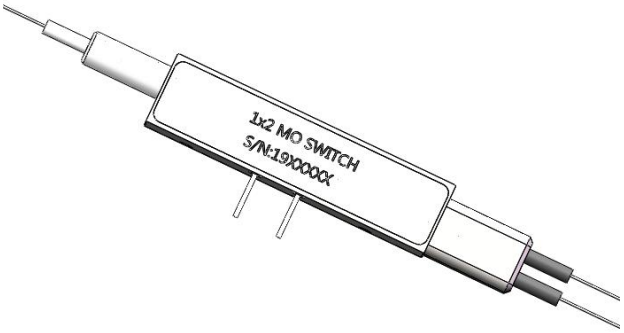
Product Description

The μs-series 1x2 solid-state fiber optical switch connects optical channels by redirecting an incoming optical signal into a selected output optical fiber. The switching of the optical light is realized by utilizing Faraday Effect.

This is achieved using a patent protected non-mechanicalconfiguration with solid-state all-crystal design whicheliminates the need for mechanical movement. Theμs-series fiber optic switch is designed to meet the mostdemanding switching requirements of reliability, durability,response, and continuous high frequency switching operation.

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

Specifications

Item	Unit	Parameters		Notes
		Unidirectional	Bidirectional	
Wavelength Range	nm	1525~1565		Other band optional
Insertion Loss	dB	0.7 (Typ.);1.0(Max.)	0.8(Typ.);1.1(Max.)	
PDL	dB	0.1 (Typ.); 0.2 (Max.)	0.1 (Typ.); 0.3(Max.)	
Return Loss	dB	≥40 (Typ 50)	≥40	
Cross-talk	dB	≥40 (Typ 50)	≥40	
PMD	ps	0.2		
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	POP C	-5~70		
Storage Temperature	POP C	-40~85		
Maximum Optical Power	mW	500		High power optional
Dimension(L×W×H)	mm	32.8x8× 7		(含端帽 51.8x8x7)

Note:
1. All the specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
2. Specifications are subject to change without notice.

Electrical Specifications

Parameters	Specifications		Unit
	Regular	Ultra-fast	
Switching Speed	50~200	5~20	μs
Switching Voltage (VCC)	3(+/-5%)	5~7.5	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

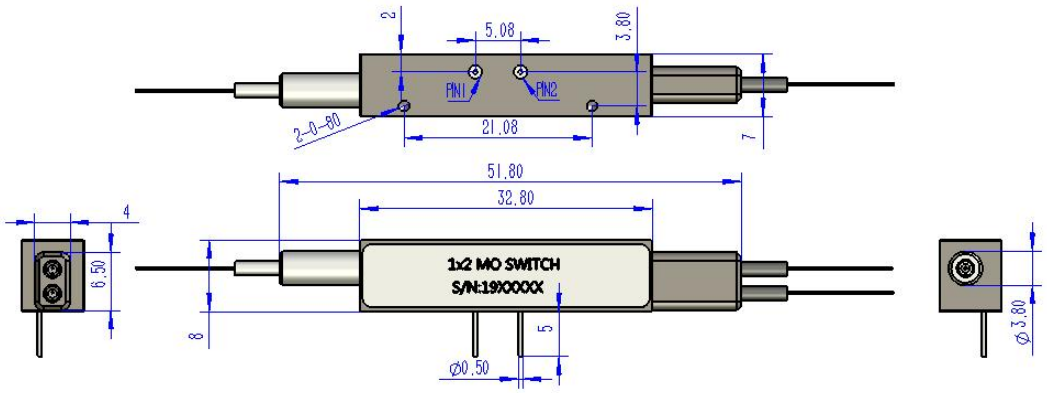
UnidirectionalPin Definition

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

BidirectionalPin Definition

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

机械尺寸（mm)



订购信息： HC-MO-1×2T-A-B-C-D-E-F-G

A	B	C	D	E	F	G
Working Mode	**Switching Speed**	**Operating Wavelength**	**Fiber Tuber**	**Fiber Length**	**Fiber Type**	**Connector Type**
1.Regular 2.Bidirectional	1.50~200us 2.5~20us 3. Others	1.C Band 1525~1565 nm 2.L Band 1565-1615 nm 3. C & L Band 4. Others	1.250μm 2.900μm 3. Others	1.0.5 +/- 0.1 m 2. 1.0 +/- 0.1 m 3. Others	1.SMF-28 2.50/125MM 3.62.5/125MM 4.80um 细径 5.Others	0.No Connector 1. FC/UPC 2. FC/APC 3. SC/UPC 4. SC/APC 5. LC/PC 6. MU/PC 7. Others