



## 产品特点

- 无移动组件
- 切换速度快
- 极其稳定的锁存模式
- 低功耗
- 极好的稳定性和可靠性

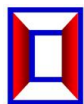


## 应用范围

- 无源光网络
- 光保护系统
- 测量系统
- 网络监控

## 技术参数

参数	单位	HC-UMS-1×2		单位
		单向	双向	
Wavelength Range (波长范围)	nm	1525~1565		Other band optional
Insertion Loss (插入损耗)	dB	0.7 (Typ.);1.1(Max.)	1.0(Typ.); 1.3(Max.)	
PDL (偏振相关损耗)	dB	0.1 (Typ.);0.2(Max.)	0.1 (Typ.);0.3(Max.)	
Return Loss (回波损耗)	dB	40	30	
Cross-talk (串扰)	dB	40	30	
PMD (偏振模色散)	ps	0.2		
Repeatability (重复性)	dB	+/- 0.01		
Durability (使用寿命)	cycles	> 100 Billions		
Switching Speed (切换速度)	μs	Regular (200~400); Ultra-fast (10~30)		Other speed optional
Storage Temperature (存储温度)	°C	-40~85		
Operating Temperature (工作温度)	°C	-5~70		
Maximum Optical Power (功率)	mW	500		High power optional
Dimension( L×W×H ) (尺寸)	mm	28×7.8× 9.5		



## 驱动管脚定义

### 单向

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

### 双向

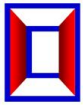
Pin1	Pin2	The Optical Output Port
1(Voltage = VCC)	0(Voltage = GND)	IN ↔ OUT1
0(Voltage = GND)	1(Voltage = VCC)	IN ↔ OUT2

## 电控参数

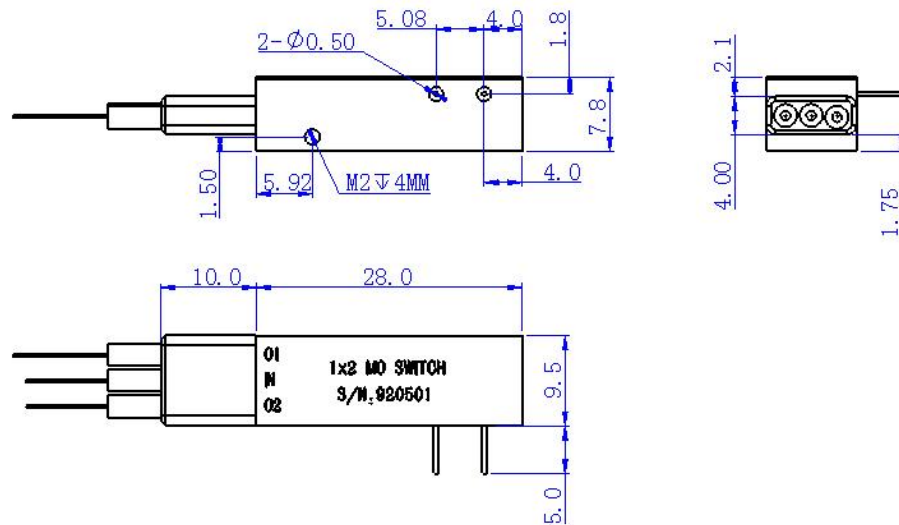
Parameters	Specifications		Unit
	Regular	Ultra-fast	
Switching Speed	200~400	10~30	μs
Switching Voltage (VCC)	5 (+/-5%)	6.0~7.0	V
Switching Current	< 100	< 350	mA
Driving Mode	Voltage or Pulse Driving	Pulse Driving	NA
Pulse Width (typical)	1000	20	μs
Claim Frequency	<800	< 3000	Hz

Notes:

- Puao provides optional switch driving board at additional charge;
- It is recommended to use Puao's switch driving board for the Ultra-fast switch;
- To avoid damaging the Ultra-fast switch, Puao recommends to set the current limit below 800mA when the power supply voltage is set at 6.0V~7.0V.



外形尺寸(mm)



订购信息 HC - UMS-1×2-A-B-C-D-E-F

A	B	C	D	E	F
Working Mode	SwitchingSpeed	Operating Wavelength	Fiber Tuber	Fiber Length	Connector Type
1.Regular 2. Bidirectional	1.200~400us 2.10~30us 3. Others	1.C Band1525~1565 nm 2. L Band 1565-1615 nm 3. C & L Band 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