



## 1x2 MagLight Optical Switch

### Features of our optic switch:

- No moving parts, best reliability
- Ultra fast switching speed
- Extremely stable latching mode
- Low power consumption
- Easy to route-all fiber on one end

### Applications for our optic switch:

- Optical switching
- High speed protection
- System monitoring
- Test and measurements

### Specifications

Item	Unit	Parameter	Note
Wavelength Range	nm	1525~1565	L-band is optional
Insertion loss	dB	0.90 (typical); 1.1 (Max)	
PDL	dB	0.08 (Typical), 0.15(Max)	
Return loss	dB	>=50	
Crosstalk	dB	>=50	>=40db@1525-1565nm & 0 C; >=45dB@1525nm & 25 C
PMD	ps	<=0.2	
Repeatability	dB	+/-0.01	
Durability	Cycles	>2billions	
Switching speed	ms	0.2 (typical); 0.4 (max)	
Maximum optical power	mW	500	
Storage temperature	°C	-40 ~ +85	
Operating Temperature	°C	0 ~ 65	
Dimension (LxWxH)	mm	42x7.8x7.8	
Fiber type		SMF-28	
Fiber length	m	>=1	



\*All the specs are based on the devices without connector

\*\*Specifications are subject to change without notice

### Electrical specifications

Parameter	Specification	Unit
Switching voltage	4.5~5.5	V
Switching Current	<100	mA
Pulse	<0.5	ms

### Pin Control Signal Correspond to Switching Status Table\*

Pin1	Pin2	The optical output port
1 (Voltage = +5 Volts)	0 (Voltage = 0 Volts)	OUT1
0 (Voltage = 0 Volts)	1 (Voltage = +5Volts)	OUT2

\*If the products are used as 2 to 1 switch, please inform us in order to get different support documents.

We have unbeatable low price for this product.