



Optical Switches are designed for using in optical add/drop, optical cross connection(OXC) system, optical test system, and optical fiber ring protection in optical networks. Based on micro mirror, the switch itself can directly be mounted on printed circuit boards (PCBs). The products are Telcordia GR-1209-CORE and GR-1073-CORE qualified.

## Features

- 1×1,1×2,2×2(add/drop),2×2(full)configuration
- Latching or Non-latching available
- Compact and suitable for PCB mounting
- Low insertion loss

## Applications

- Network switching
- Configurable OADM
- Optical cross connection system
- Optical fiber protector rings

## Specifications

Parameter	Unit	Value					
Switch type		1×1,1×2,2×2, 2×2 Blocking					
Wavelength	nm	1310 or 1550(SM)		1310 & 1550(SM)		850 or 1310(MM)	
Insertion loss	dB	Typ:0.5	Max:0.8	Typ:0.7	Max:1.0	Typ:0.6	Max:1.0
Return loss	dB	≥45					
Crosstalk	dB	≥55					
Repeatability	dB	≤±0.05					
Switch speed	ms	10					
Lifetime	times	>1,000,000					
Switch mode		Latching or non-latching					
Operation voltage	V	5±0.5 DC or 5 Pulse					
Operation current	mA	<50					
Operation/Storage temperature	°C	-15~+70/-40~+85					
Package	mm	45×18×10					

	Light path				Drive path				Monitor pin			
	1×1	1×2	2×2		2×2B		1	12	2	11	3-5, 10-8	3-6, 10-7
Latching	1-2	1-2	1-2	3-4	1-2	3-4	GND	+5 V DC			Open	Close
		1-3	1-3	2-4	1-3				GND	+5 V DC	Close	Open
Non-latching	1-2	1-2	1-2	3-4	1-2	3-4	GND	+5 V DC			Open	Close
		1-3	1-3	2-4	1-3		GND	GND			Close	Open

## Ordering information

OSW	—	—	—	—	—	—	—	—	—	—
11:1×1 12:1×2 22:2×2 22B:2×2 Blocking	085:850nm 131:1310nm 155:1550nm 135:1310&1550nm	025:Φ0.25mm 09:Φ0.9mm	1:1.0m customer specify	L: Latching N: Non-latching	S: SM M:MM(62.5 μ m)	00:no connector FC,SC,LC,MU/ PC,UPC,APC				
Model	Wavelength	Fiber Dia.	Fiber length	Latching	Fiber type	Connector				