



Optical switches are mainly used in optical add/drop, optical cross and connection(OXC) system, and optical fiber ring protection. The products meet the Telcordia GR-1209-CORE.

**Features**

- On/off 1X2,2X2(add/drop),2X2(full) configuration
- Compact package
- Mechanical design
- Latching or non-latching available

**Applications**

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

**Specifications**

Parameter	Unit	Value		
Switch Type		1×1(on-Off),1×2	2×2,2×2B	
Wavelength	nm	1510~1610/1260~1360		
Insertion Loss	dB	Typ : 0.4	Max : 0.6	Max : 0.8
Return Loss	dB	≥45		
Crosstalk	dB	≥55		
Repeatability	dB	≤+/- 0.05		
Switch Speed	ms	<10		
Switch Mode		Bistable relay		
Lifetime	times	>1,000,000		
Operation Temperature	°C	0~+ 70		
Storage Temperature	°C	-40 ~+ 85		
Voltage		5±0.5 V DC or 5 V Pulse		
Current	mA	< 50		
Dimension	mm	45×18×10		

Light Path				Drive Pin			Monitor Pin			
1×1	1×2	2×2	2×2B	1	12	2	11	3→5	10→8	3→6 10→7
1→2	1→2	1→2 3→4	1→2 3→4	GDN	+5VDC			Open	Close	
	1→3	1→3 2→4	1→3		GDN +5VDC			Close	Open	

**Ordering Information**

OSW	Wavelength	Fiber Dia.	Fiber Length	Connector
11:1×1	131:1310nm	025:Φ250μm	1:1m	00:no connector
12:1×2	155:1550nm	09:Φ900μm	customer specifies	FC/PC, FC/APC
14:1×4	135:1310nm/1550nm	customer specifies		SC/PC, SC/APC
22:2×2	157:1570nm			LC/PC, MU/PC
22B:2×2				Customer specifies
Block model				
Model	Wavelength	Fiber Dia.	Fiber Length	Connector