

## 2x2F Mechanical Switch

### Description:

The mechanical series fiber optical switches Are designed on transmission optical principle. The prism and relay are the main parts in the optical principle.It's widely used for OADM system,OXC,monitor system and experience



### Features:

- 1.Wide band operation
- 2.Low insertion loss&PDL
- 3.High cross talk
- 4.High stability and reliability
- 5.Path without epoxy

### Application:

- 1.OADM
- 2.WAN
- 3.Laboratory
- 4.Monitory&detection

### Performance:

Parameter	Units	SPEC.
Operating wavelength	nm	1260~1620
wavelength	nm	1310&1550
Insertion loss	dB	Typ:0.8 Max:1.0
Return loss	dB	Sm≥50
Cross talk	dB	Sm≥55
PDL	dB	≤0.05
WDL	dB	≤0.25
TDL	dB	≤0.25
Repeatability	dB	≤±0.02
Voltage	v	3.0 or 5.0 (+/-0.5)
Operating life	Time	≥107
Switch time	ms	≤8
Powerhandling	mW	≤500
Operating temperature	°C	-20~+70

# V.TORCH

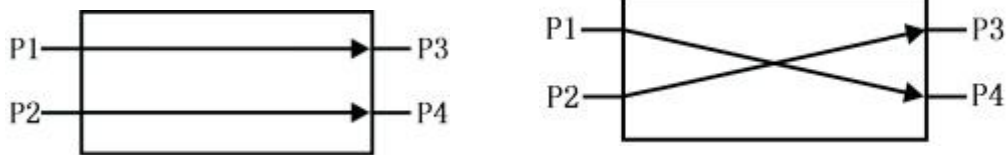
Storage temperature	°C	-40~+85
Power Port	/	4Pin
Size	mm	27x12x8.0

**Notes:**The insertion loss above excluding the insertion loss for the connectors

## Production Size:

Type	Pin Definition	Power				Condition monitoring			
		1	5	6	10	2-3	3-4	7-8	8-9
VTFMSW-22									
No-latching	P1-P4、 P2-P3	--	--	--	--	Close	Open	Open	Close
	P1-P4、 P2-P3	V+	--	--	GND	Open	Close	Close	Open
Latching	P1-P4、 P2-P3	-	--	GND	V+	Close	Open	Open	Close
	P1-P4、 P2-P3	V+	GND	--	--	Open	Close	Close	Open

## Path Diagram:



## Production Size:

