

## 1xN Switch

### Description:

The mechanical series optical fiber switches are designed on transmission optical principle. The stepper motor is the main part 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. Monitory & detection
3. Laboratory
4. WAN

### Performance:

Port Type	/	1<N≤45	45<N≤88	88<N≤128
Insertion Loss	dB	Typ:0.8 Max:1.0	Typ:1.2 Max:1.5	Typ:1.7 Max:2.0
Wavelength	nm	850±40/1300±40	1260-1620	
Return Loss	dB	SM≥50, Mm≥30		
Cross Talk	dB	SM≥55, MM≥35		
PDL	dB	≤0.05		
WDL	dB	≤0.25		
TDL	dB	≤0.25		
Repeatability	dB	≤±0.05		
Voltage	v	+5.0 or 12		
Operating life	time	≥10Million		
Switch time	ms	≤10		
Power handling	mW	≤500		
Operating temperature	°C	-20~+70		
Storage temperature	°C	-40~+85		
Packaging Size(Min)	mm	1<N≤4: 135*40*32	4<N≤12: 135*64*32	12<N≤16: 184*78*36
		16<N≤45: 184*78*66	45<N≤88: 184*156*66	88<N≤128: 184*220*66

# V.TORCH

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

## Pin Definition:

DB9 Metal Port:

Pin No.	Signal Name	I/O	Description
1	Do	Input	TTL, Channel selection bit 0
2	D1	Input	TTL, Channel selection bit 1
3	D2	Input	TTL, Channel selection bit 2
4	D3	Input	TTL, Channel selection bit 3
5	/RESET	Input	TTL, Low level reset to channel 0. High level means channel Selection bits are effective.
6	/RESET	Input	TTL, Ready (High=Not ready, Low=Ready)
7	ERROR	Output	TTL, Error (High=Error, Low=error)
8	GND	Input	Ground
9	+5VDC	Input	5.0±5%VDC Power Supply (max 550mA)

## Box Size:

