

# 1×1 Single Mode Mechanical Fiber Optic Switch (V package)

## All Glue Package (for BDX)

Version: 1.0

Date: 2014-7-14



### Feature:

- Unmatched Low Cost
- Low Insertion Loss
- High Channel Isolation
- Highly Stable and Reliable
- Epoxy-Free Optical path
- Latching or Non-Latching

### Application:

- Optical Network Protection/Restoration
- Optical Signal Routing
- Configurable Optical Add/Drop
- Transmitter and Receiver Protection
- Network Test Systems
- Instrumentation

### Performance Specification:

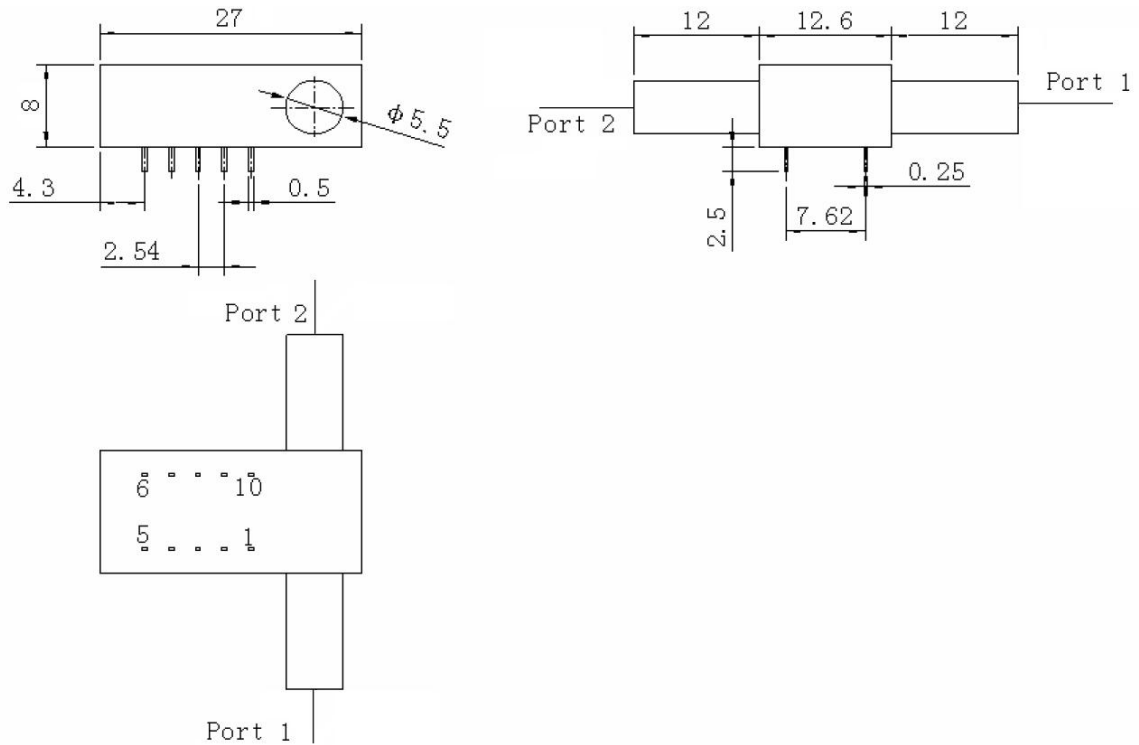
Parameter	Unit	Specification
Operating Wavelength	nm	1520 ~ 1570
Insertion Loss	dB	≤ 0.45
WDL	dB	≤ 0.25
PDL	dB	≤ 0.05
TDL	dB	≤ 0.20
Repeatability	dB	± 0.02
Channel Cross Talk	dB	≥ 50
Return Loss	dB	≥ 55
Operating Voltage	V	5
Operating Temperature	°C	-20 ~ 85
Storage Temperature	°C	-40 ~ 85
Fiber Type	/	G652D fiber with 长飞 UL94V0 900μm Hytrel 7237 tight buffer
Fiber Length	m	2.0
Dimension (L×W×H)	mm	27 × 12.6 × 8

1. Measured at room temperature;
2. All above specs are without connectors. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower.
3. Telcordia GR-1209 and GR-1221 qualified.

**Electrical Pin Configuration:**

	Optical	ON (Port1 ~ Port2)		OFF (No Light)	
Electric Drive	Non-Latching	Pin 1	Pin 10		
		V+	GND		
Sensor Status	Non-Latching	Pin 2-3, Pin 8-9 Open		Pin 2-3, Pin 8-9 Close	
		Pin 3-4, Pin 7-8 Close		Pin 3-4, Pin 7-8 Open	

**Package Dimension: (V package)**



**Ordering Information:**

	Sensor Status	Operating Wavelength	Port	Fiber Type	Pigtail Type	Fiber Length	In/Out Connector
SMS	N=Non-Latching	15=1550	0101=1×1	1=G652D	2=900um Jacket	1=1m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/PC 7=LC/APC