1×2 Single Mode Mechanical Fiber Optic Switch (V package)

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	1310±40 or 1550±40		1310/1550±40	
Insertion Loss	dB	P Grade	A Grade	P Grade	A Grade
		≤ 0.6	≤ 0.8	≤ 0.8	≤ 1.0
WDL	dB	≤ 0.25		≤ 0.30	
PDL	dB	≤ 0.05			
Repeatability	dB	± 0.02			
Channel Cross Talk	dB	≥ 55			
Return Loss	dB	≥ 55			
Switching Speed	ms	≤ 10 (Typ.4)			
Coil Resistance (Pin 1-5 or 6-10)	ohms	178 ± 10%			
Current	mA	28			
Operating Voltage	V	5			
Power Handing	mW	500			
Durability	Cycles	10 Million (Min.)			
Operating Temperature	°C	0 ~ 70			
Storage Temperature	°C	-40 ~ 85			
Fiber Type	/	Corning SMF-28e or XB fiber			
Fiber Length	m	Customer Specify			
Dimension (L×W×H)	mm	24 × 12.6 × 7			

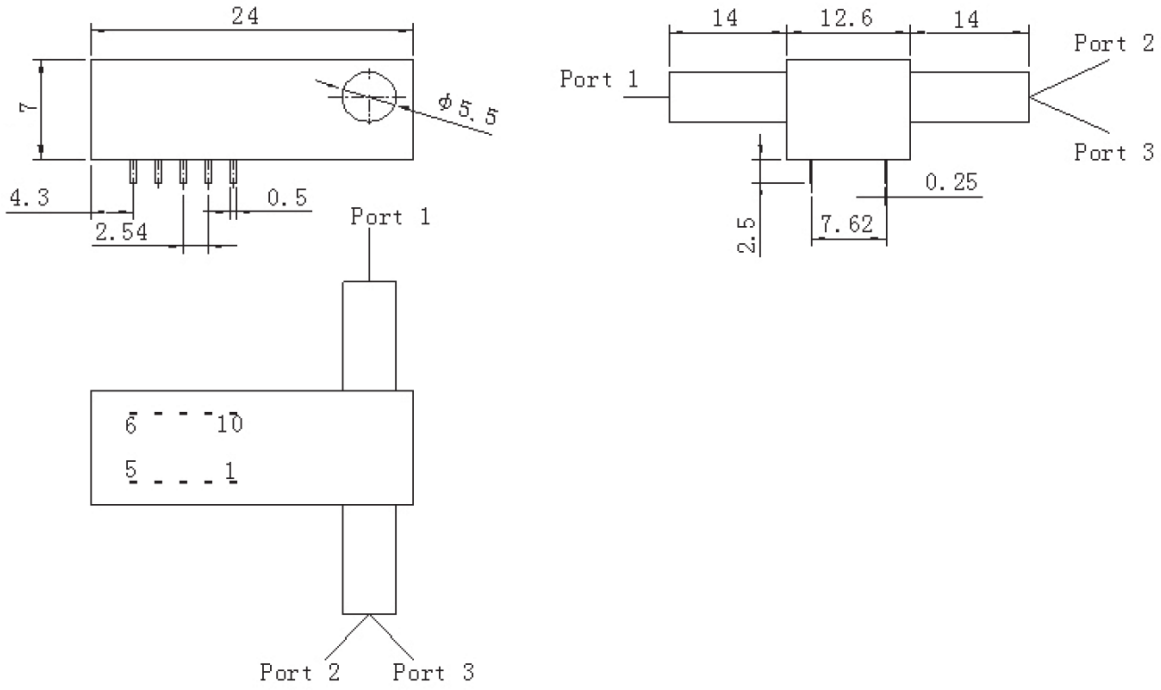
Notes:

For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower.

Electrical Pin Configuration:

Optical		Port1 ~ Port2		Port1 ~ Port3	
Electric Drive	Non-Latching	Pin 1	Pin 10		
	Latching	Pin 1	Pin 5	Pin 6	Pin 10
		V+	GND	GND	V+
Sensor Status	Non-Latching and 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	Grade	Fiber Type	Pigtail Type	Fiber Length	In/Out Connector
SMS	L=Latching N=Non-Latching	15=1550 13=1310 35=1310/1550	0102=1×2	P=P Grade A=A Grade	1=SMF-28e 2=XB	1=Bare Fiber 2=900um Jacket	0.5=0.5m 1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/PC 7=LC/APC