



Mini 1x4 Optical Switch

Features:

Low Insertion Loss &
High Stability and Reliability

Application:

Communication Network
Lab

Specifications:

Parameter	Value	
Type	1×4	
Operating Wavelength (nm)	850&1310±40	1260~1650
Insertion Loss (dB)	≤0.8	≤1.0
WDL (dB)	≤0.25	≤0.3
Return Loss (dB)	≥35	≥55
Channel Cross Talk (dB)	≥35	≥55
PDL (dB)	≤0.1	
Switching Speed (ms)	≤5	
Repeatability (dB)	±0.02	
Drive Voltage (V)	3.3 or 5	
Durability (Cycles)	3X10 ⁷	
Power Handling (mW)	500	
Operating Temperature (°C)	-40~70	
Storage Temperature (°C)	-55~85	
Fiber Type	SM or MM	
Fiber Length (m)	Customer Specify	
Dimension (L×W×H) (mm)	23x27x8.5	

*Above specifications are for devices without the connectors.

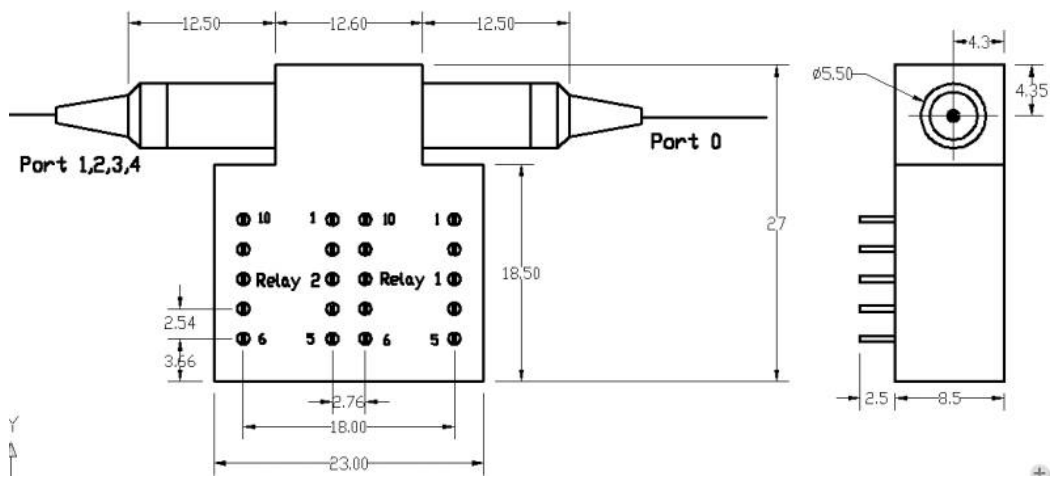
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower

Electrical Drive:

Latching	Electric Drive								Status Sensor			
	Relay1				Relay 2				Relay 1		Relay 2	
	1	5	6	10	1	5	6	10	2-3	3-4	2-3	3-4
Com = P1	-	-	GND	V+	-	-	GND	V+	Close	Open	Close	Open
Com = P2	-	-	GND	V+	V+	GND	-	-	Close	Open	Open	Close
Com = P3	V+	GND	-	-	-	-	GND	V+	Open	Close	Close	Open
Com = P4	V+	GND	-	-	V+	GND	-	-	Open	Close	Open	Close

Non-latching	Electric Drive				Status Sensor			
	Relay1		Relay 2		Relay 1		Relay 2	
	Pin 1	Pin 10	Pin 1	Pin 10	2-3,8-9	3-4, 8-7	2-3,8-9	3-4, 8-7
Com = P1	-	-	-	-	Close	Open	Close	Open
Com = P2	-	-	V+	GND	Close	Open	Open	Close
Com = P3	V+	GND	-	-	Open	Close	Close	Open
Com = P4	V+	GND	V+	GND	Open	Close	Open	Close

Package Dimension:



Ordering Information:

OSW	Pass/Reflect Wavelength	Type	Voltage	Mode	Pigtail Type	Length	Connector
	8531=850&1310nm 2665=1260~1650nm	4=1x4	003=3.3V 005= 5V	L=Latching N=Non-Latching	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube S=Specify	H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m 4=4.0m A=2.5m B=5.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/UPC 7=LC/APC S=Specify