

1×4 Mini Optical Switch

Features

Low Insertion Loss
Wide Wavelength Range
Low Crosstalk
High Stability, High Reliability
Epoxy-free on Optical Path
Latching and Non-latching

Applications

Channel Blocking
Configurable Add/Drop
System Monitoring
Instrumentation

Performance

Parameters		1×4 Mini Optic switch	
Wavelength Range	nm	850±40	1260~1650
Operating Wavelength	nm	850	1310/1490/1550/1625/1650
Insertion Loss	dB	≤0.8	≤1.0
Return Loss	dB	≥35	≥55
Crosstalk	dB	≥35	≥55
PDL	dB	≤0.1	
WDL	dB	≤0.25	≤0.3
Repeatability	dB	≤±0.02	
Power Supply	V	3.0 or 5.0	
Lifetime	Time	10 Million	
Switch Time	ms	≤10	
Fiber Type		SM or MM	
Transmission Power	mW	≤500	
Operating Temperature	℃	-40~+85	
Storage Temperature	℃	-40~+85	
Weight	g	16	
Dimension	mm	(L)27×(W)12.6×(H)8.0 (±0.2)	

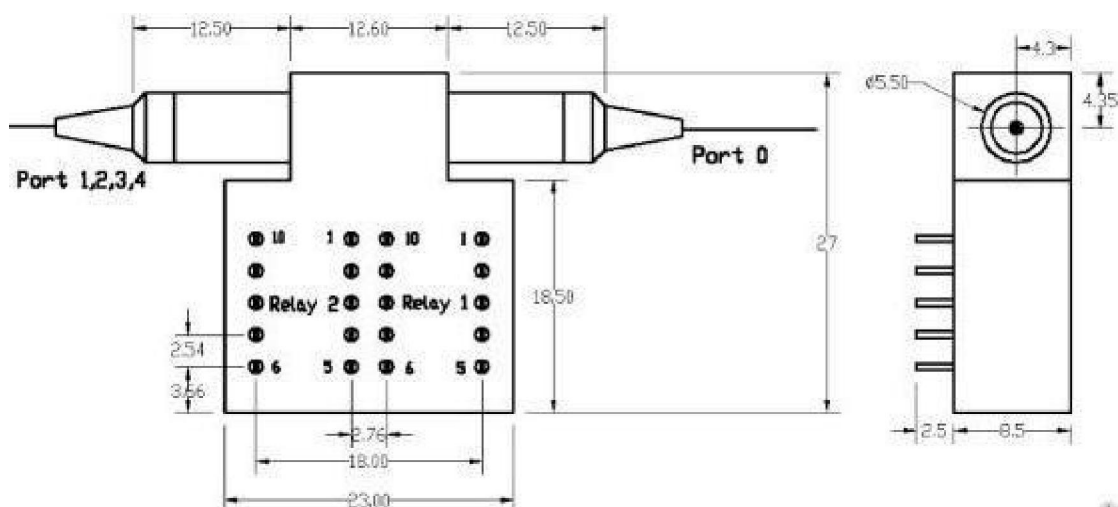
Above specification are for device without connector

Pins

Latching	Electric Drive								Status Sensor			
	Relay1				Relay 2				Relay 1		Relay 2	
	1	5	6	10	1	5	6	10	2-3 8-9	3-4 8-7	2-3 8-9	3-4 8-7
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

Dimensions



Ordering Information

Mode	Wavelength	Voltage Type	Control Model	Fiber Type	Fiber Diameter	Fiber Length	Connector
S:SM	85: 850nm	3: 3V	L: Latching	5:50/125	25:250um	05:0.5m	OO:None
M:MM	13: 1310nm	5: 5V	N:Non-Latching	6:62.5/125	90:900um	10:1.0m	FP: FC/PC
	14: 1490nm			9: 9/125	20:2.0mm	15:1.5m	FA: FC/APC
	15: 1550nm						SP: SC/PC
	162: 1625nm						SA: SC/APC
	165: 1650nm						STP: ST/PC
	13/15:1310/ 1550nm						STA: ST/APC
							LP: LC/PC
							LA: LC/APC