

Optical Switch

Features:
Low Insertion Loss & High Stability and Reliability
Application:
Communication Network Lab

Specifications:

Parameter	Value		
Type	1×1, 1×2		
Wavelength (nm)	1310 +/-30 or 1550+/-30	1310+/-30&1550+/-30	1064
Insertion Loss (dB)	≤0.5(Typ 0.4)	≤0.7(Typ 0.5)	≤0.8(Typ 0.6)
Cross Talk (dB)	≥55	≥55	≥55
Return Loss (dB)	≥55	≥55	≥55
Repeatability (dB)	≤ ±0.05		
Switch Time (ms)	10		
Lifetime (cycle)	>1,000,000		
Switch mode	Latching or Non-latching		
Operating Temperature (°C)	-5 ~ +70		
Storage Temperature (°C)	-40 ~ +85		
Drive Voltage (V)	5 ±0.5 DC or 5V Pulse		
Work Current (mA)	<50		
Fiber Type	SMF-28e		
Fiber length (m)	Read order information		
Dimension (LxMxH) (mm)	(L)26.5×(W)13.4×(H)11		

*Above specifications are for devices without the connectors.

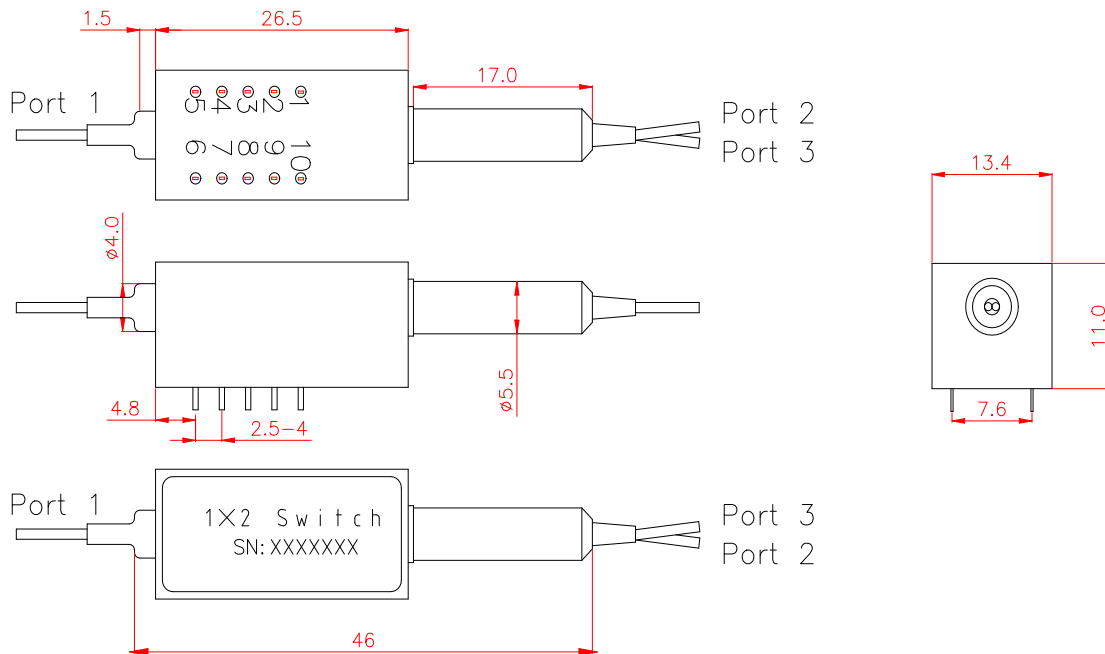
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower

Electrical Drive:

Optical Path	Electrical Drive		Status Sensor					
	Pin1	Pin10	Pin5	Pin6	Pin2-3	Pin3-4	Pin7-8	Pin8-9
1-2	+V Pulse	GND	N/A	N/A	open	close	close	open
1-3	GND	+V Pulse	N/A	N/A	close	open	open	close

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Package Dimension:



Ordering Information:

OSW	Pass/Reflect Wavelength	Type	000	Mode	Pigtail Type	Length	Connector
	1310=1310nm	1=1x1		L=Latching	1=250um bare fiber	H=0.5m	0=None
	1550=1550nm	2=1x2		N=Non-Latching	2=900um loose tube	8=0.8m	1=FC/UPC
	3155=1310/1550nm				3=3mm loose tube	1=1.0m	2=FC/APC
	1064=1064nm				4=2mm loose tube	5=1.5m	3=SC/APC
						2=2.0m	4=SC/UPC
						3=3.0m	5=MU
						4=4.0m	6=LC/UPC
						A=2.5m	7=LC/APC
						B=5.0m	S=Specify
					S=Specify	S=Specify	