1x4 Mini Optical Switch

Features

Based on Free space designed
Low IL, Low PDL,
Fast Switch speed

Applications

OXC, OLP, ROADM
Wavelength switch of testing system
Channel switch of optic sensor system

Specifications

Parameters	Unit	Single Mode
Operation Wavelength	nm	1280~1340 or/and 1520~1610
Insertion Loss	dB	≤1.0
Polarization Dependent Loss	dB	≤0.2
WDL	dB	≤0.2
Return Loss	dB	≥45
Cross Talk	dB	≥60
Switch Time	ms	<10
Repeatability	dB	±0.05
Durability	cycles	$>10^7$
Fiber Type		SMF-28e
Fiber Length	m	1
Operating Voltage	V	Min.4.5, Max 6.5
Switch Current	mA	120
Power Handling	mW	≤500
Operating Relative Humidity	%	5~90
Operating Temperature	℃	-5 ~ +65
Storage Temperature	℃	-40 ~ +85
Dimensions (LxWxH)	mm	55x44x15

Optic Ports and Electronic Pins Definition

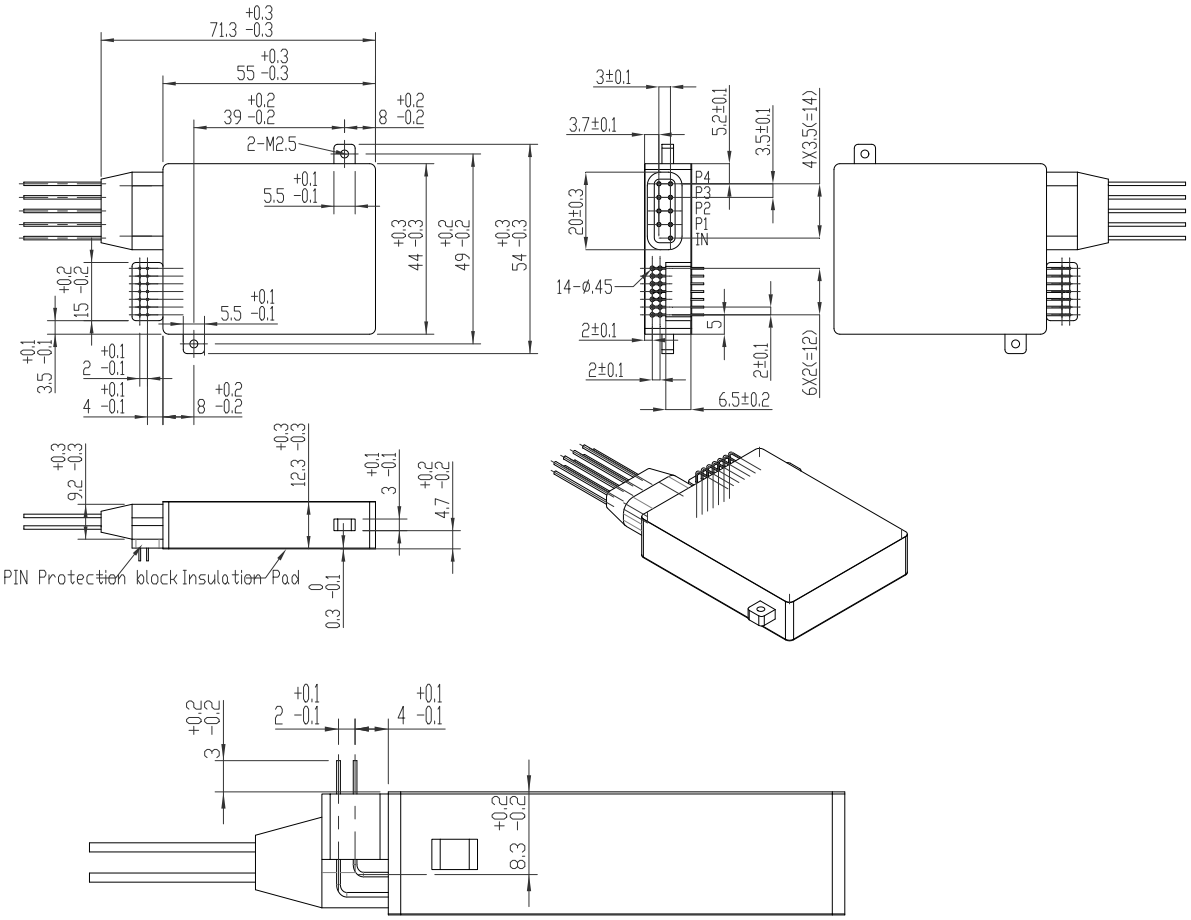
Light Path	Pin Definition													
	Control Input								Status Output				Common Input	
	1A	1B	2A	2B	3A	3B	4A	4B	S1	S2	S3	S4	+5V	GND
	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8	Pin9	Pin10	Pin11	Pin12	Pin13	Pin14
Com-P1	+5V	0V	0V	+5V	0V	+5V	X	X	+5V	GND	GND	GND	+5V	GND
Com-P2	0V	+5V	+5V	0V	0V	+5V	X	X	GND	+5V	GND	GND	+5V	GND
Com-P3	0V	+5V	0V	+5V	+5V	0V	X	X	GND	GND	+5V	GND	+5V	GND
Com-P4	0V	+5V	0V	+5V	0V	+5V	X	X	GND	GND	GND	GND	+5V	GND

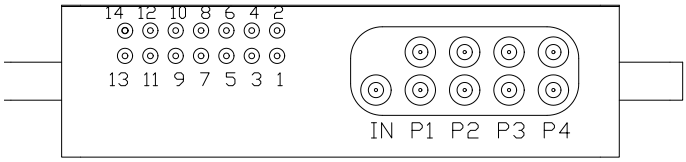
Ordering Information

OSW- ②②②②-③-④④④-⑤-⑥-⑦⑦

①	Port Type	1x4;
②	Wavelength	1550=1550; 1310=1310; 1315=1310/1550;
③	Mode	L=Latching;
④	Pigtail Type	900=900um Loose Tube;
⑤	Fiber Type	1=SMF-28;
⑥	Fiber Length	1= 1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;

Mechanical Structure Diagram





↓ Interface on PCB ↓