


Dual 2×2 Single Mode Bypass Mechanical Fiber Optic Switch

	<p>Feature:</p> <ul style="list-style-type: none"> ● Unmatched Low Cost ● Low Insertion Loss ● High Channel Isolation ● Highly Stable and Reliable ● Epoxy-Free Optical path ● Latching or Non-Latching <p>Application:</p> <ul style="list-style-type: none"> ● Optical Network Protection/Restoration ● Optical Signal Routing ● Configurable Optical Add/Drop ● Transmitter and Receiver Protection ● Network Test Systems ● Instrumentation
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Performance Specification:

Parameter	Specification			
	Operating Wavelength (nm)	1310±40 or 1550±40		1310/1550±40
Insertion Loss (dB)	P Grade	A Grade	P Grade	A Grade
	≤ 0.8	≤ 1.0	≤ 1.0	≤ 1.2
WDL (dB)	≤ 0.25		≤ 0.30	
PDL (dB)	≤ 0.05			
Channel Cross Talk (dB)	≥ 55			
Repeatability (dB)	± 0.02			
Return loss (dB)	≥ 55			
Switching Speed (ms)	≤ 10 (Typ.4)			
Operating Voltage (V)	5 ±10%			
Power Handling (mW)	500			
Durability (Cycles)	10 Million			
Operating Temperature (°C)	-20 ~ +70			
Storage Temperature (°C)	-40 ~ +85			
Fiber Type	SMF-28e+ or Customer Specify			
Dimension (L×W×H) (mm)	25x12.6x8.5			

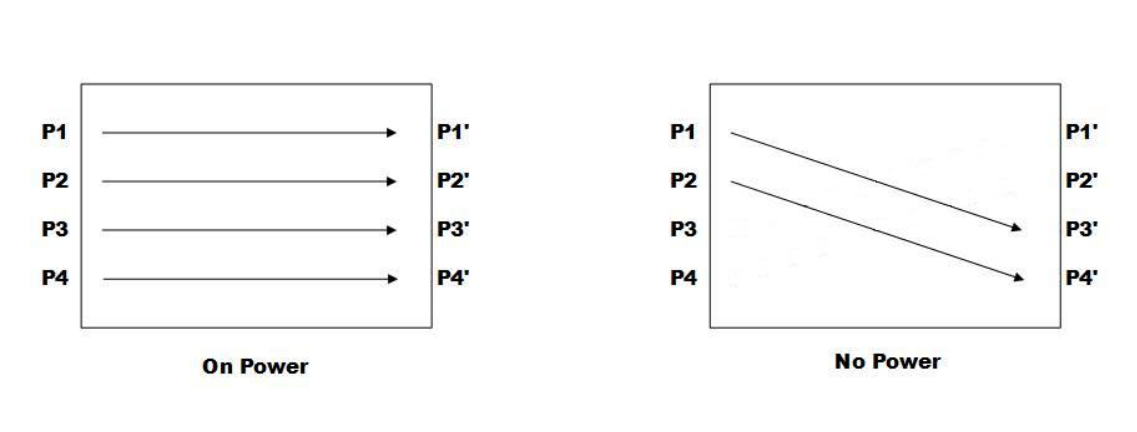
All above specifications are without connectors.

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

Electrical Pin Configuration:

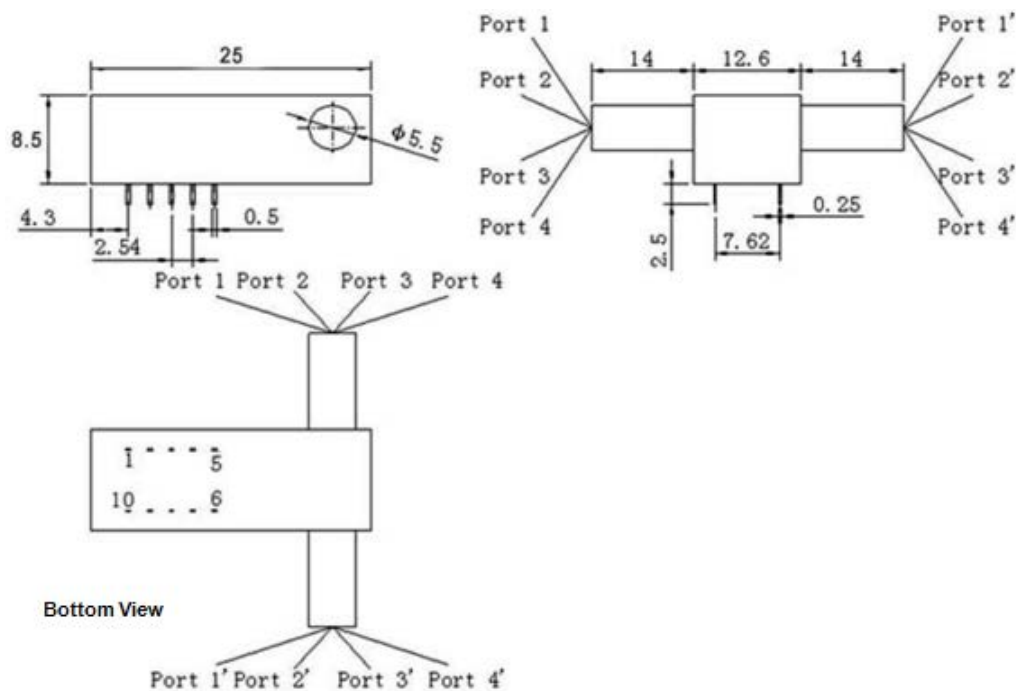
Optical Path		P1-P1' , P2-P2' , P3-P3' , P4-P4'		P1-P3', P2-P4'	
Electric Drive	Non-Latching	Pin 1	Pin 10	/	
	Latching	Pin 1	Pin 5	Pin 6	Pin 10
		V+	GND	GND	V+
Sensor Status	Non-Latching & Latching	Pin 2-3, Pin 8-9 Open		Pin 2-3, Pin 8-9 Close	
		Pin 3-4, Pin 7-8 Close		Pin 3-4, Pin 7-8 Open	

Optical Route

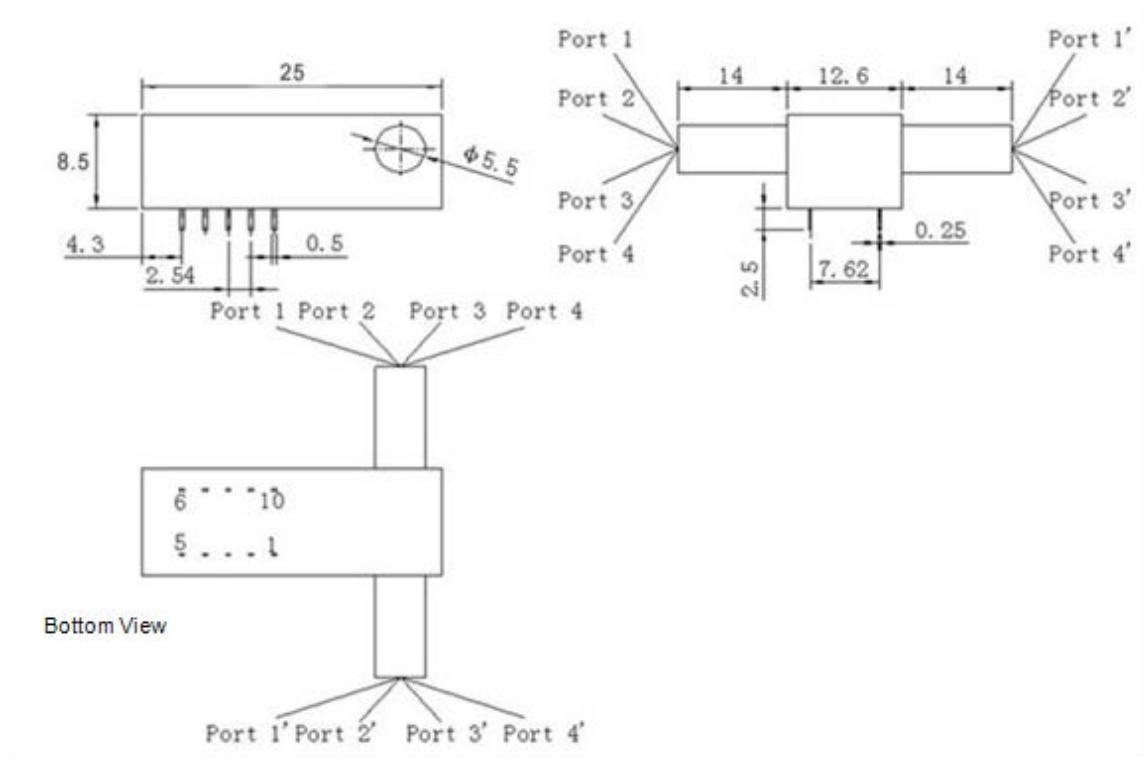


Device Package Dimension:

Type B



Type C



Ordering Information:

		Option	Operating Wavelength	Port	Grade	Pigtail Type	Fiber Length	In/Out Connector
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S	2MS	L=Latching N=Non-Latching	15=1550 13=1310 35=1310/1550	BP2B= type B BP2C= type C	P=P Grade A=A Grade	1=Bare Fiber 2=900um Jacket	0.45= 0.45m 1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

For Example:

S2MS-N-13-BP2C-A-2-0.45-66

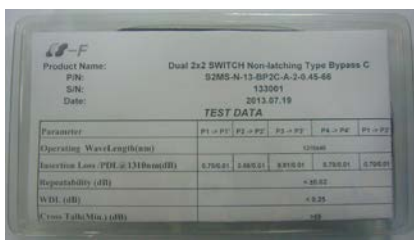
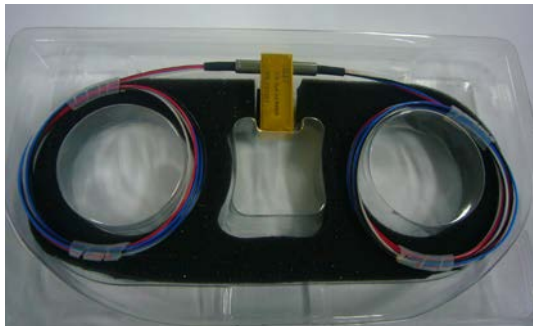
Packaging Specification

Inner Box

Material: PBC

Size: 215*125*25mm

Photo:



Out Box

Material: Paper

Size:

370*240*200mm (For 10pcs devices)

510*350*240mm (For 50pcs devices)

520*350*460mm (For 100pcs devices)

Photo:



Test Data



Test Data

RoHS Direction

Materials comply in all respects with Directive 2002/95/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, O.J. (L 19) (Jan. 27, 2003) (the "RoHS Directive"), as well as relevant guidance and each individual Member State implementing legislation.