

2X2B Micro-Mechanical Optic Switch

Features:

- Unmatched Low Cost
- Low Insertion Loss
- High Channel Isolation
- Highly Stability and Reliability
- Epoxy-Free Optical Path



Applications:

- Intracity networks
- Research LABS
- System monitor
- Dynamic configuration points into reuse

Parameters

Model Number	2×2B			
Wavelength Range nm	532~980 (SM/MM)	670~980 (SM/MM)	1260~1620 (MM)	1260~1620 (SM)
Test Wavelength nm	532/785/850/980	670/785/850/980	1310/1490/1550/1625	1310/1490/155
Insertion Loss dB	Typ:1.2	Typ:0.8 Max:1.2	Typ:0.6 Max:0.8	Typ:0.5
Return Loss dB	SM≥50、MM≥30			
Cross Talk dB	SM≥55、MM≥35			
PDL dB	≤0.05			
WDL dB	≤0.25			
TDL dB	≤0.25			
Repeatability dB	≤±0.05			
Operating Voltage	3.0 or 5.0			
Lifetime	≥10 ⁷			
Switch Time ms	Bar→Cross≤3		Cross→Bar≤5	
Transmission Power mW	≤500			
Operating	-20~+70			
Storage Temperature	-40~+85			
Dimension mm	(L) 27× (W) 12.8× (H) 7.5			

Electronic pins structure:

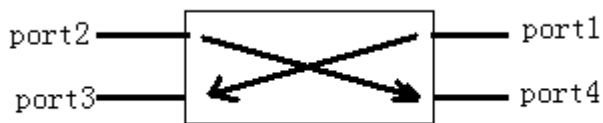
Non-latching

Optical path	Condition					
	PIN1	PIN10	PIN3-2	PIN3-4	PIN8-9	PIN8-7
1-4	N/A	N/A	CLOSE	OPEN	CLOSE	OPEN
1-3;2-4	GND	+5v	OPEN	CLOSE	OPEN	CLOSE

Latching

Optical path	Circuit driver				Condition			
	PIN1	PIN5	PIN10	PIN6	PIN3-2	PIN3-4	PIN8-9	PIN8-7
1-3;2-4	N/A	N/A	+5v	GND	OPEN	CLOSE	OPEN	CLOSE
1-4	+5v	GND	N/A	N/A	CLOSE	OPEN	CLOSE	OPEN

Optical path:

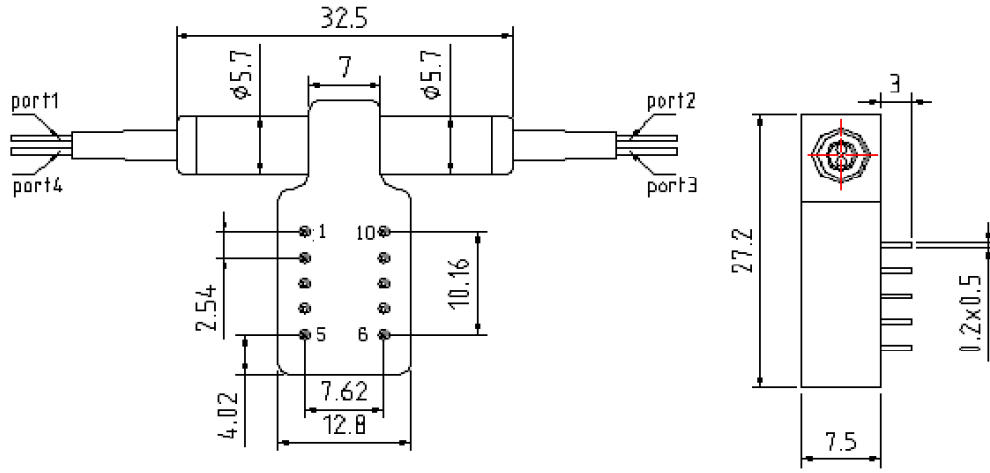


State A



State B

Dimension:



Ordering information

Type	Condition	Operating Wavelength	Port	Grade	Fiber Type	Fiber Length	In/Out Connector Type
SMS	1=Non-latching 2=latching	15=1550±40nm 13=1310±40nm 35=1310/1550nm	0202=2x2	1=P	1=Bare Fiber	1=1	1=None
			0404=4x4	grade	2=900um Jacket	Meter	2=FC/APC
			0808=8x8	2=A		2=2	3=FC/PC
			016016=16x16	grade		Meter	4=SC/APC
			032032=32x32				5=SC/PC
			064064=64x64				6=ST
			01000=Other				7=LC