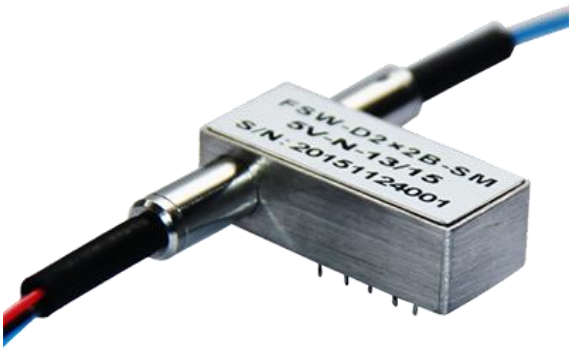
D2×2 Full Mechanical Optical Switch

Features

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



Application

·R&D in Laboratory
·System Monitoring
·Configurable OADM
·MAN (Metropolitan Area Network)

Performance:

Model	Unit	GZ-FSW-D2x2B	
Operatingwavelength	nm	850±40/1300±40	1260～1620
wavelength	nm	850&1300	1310&1550
Insertion loss	dB	Typ:1.0 Max:1.5	
Return loss	dB	MM≥30 SM≥50	
Cross talk	dB	MM≥35 SM≥55	
PDL	dB	≤0.05	
WDL	dB	≤0.25	
TDL	dB	≤0.25	
Repeatability	dB	≤±0.02	
Voltage	v	3.0 or 5.0±0.5	
Operating life	Time	$\geq 10^7$	
Switch time	ms	≤8	
Power handling	mW	≤500	
Operating temperature	℃	-20～+70	
Storage temperature	℃	-40～+85	
Size	mm	27.0×12×8.2	28.5×12.6×8.7

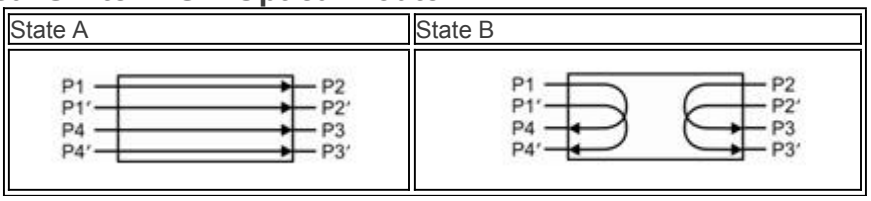
Note: 1 Within operating temperature and SOP. 2 Excluding Connectors.

Pin Definition:

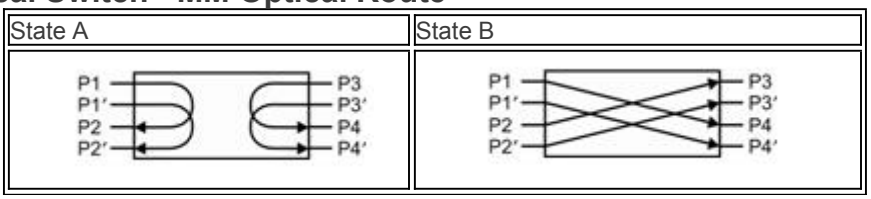
Type	State	Optical Route	Electric Drive				Status Sensor			
D2×2			Pin 1	Pin 5	Pin 6	Pin 10	Pin 2-3	Pin 3-4	Pin 7-8	Pin 8-9
Latching	A	P1-P2，P3-P4 P1'-P2'，P3'-P4'	--	--	GND	V+	Close	Open	Open	Close
	B	P1-P4，P3-P2 P1'-P4'，P3'-P2'	V+	GND	--	--	Open	Close	Close	Open
Non-latching	A	P1-P2，P3-P4 P1'-P2'，P3'-P4'	--	--	--	--	Close	Open	Open	Close
	B	P1-P4，P3-P2 P1'-P4'，P3'-P2'	V+	--	--	GND	Open	Close	Close	Open

Path Diagram:

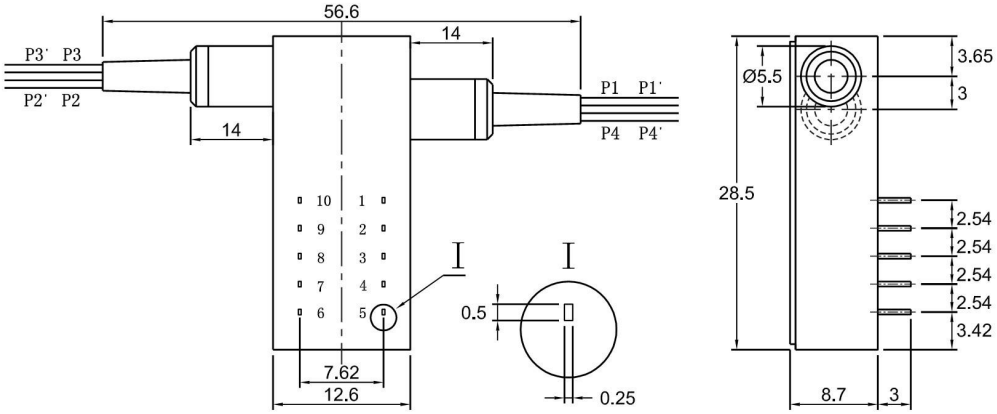
D2×2 Full Optical Switch - SM Optical Route



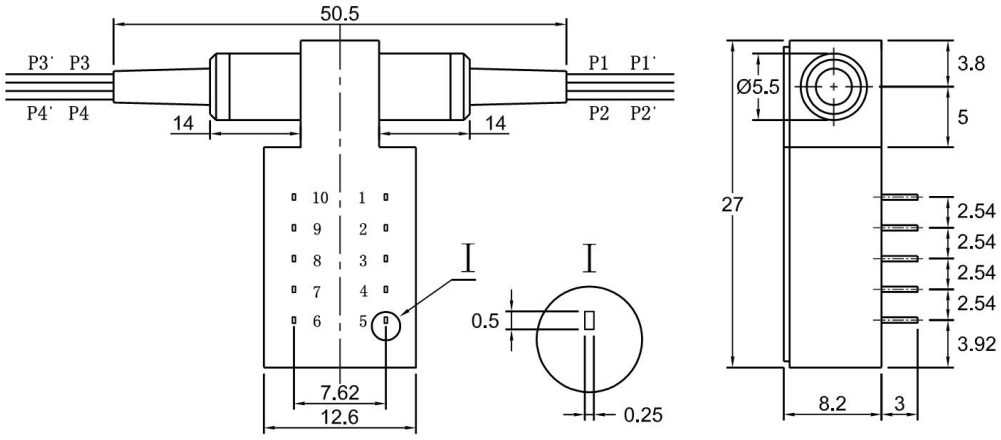
D2×2 Full Optical Switch - MM Optical Route



D2×2 Optical Switch - SM Dimension



D2×2 Optical Switch - MM Dimension



Order Information:

Wavelength	Operating Voltage	Fiber Type	Tube Type	Fiber Length	Connector
0850—850 1315—1310&1550 ……	3L—3v, latching 5L—5v, latching 3N—3v, Non-latching 5N—5v, Non-latching	1—SM 2—MM 62.5/125 3—MM 50/125	1—250um 2—900um	05—0.5m 10—1m 15—1.5m 20—2 m ……	0—None Connector 1—FC/PC 2—FC/APC 3—SC/PC 4—SC/APC 5—LC/PC 6—LC/APC