



4-D2×2B Optical Switch

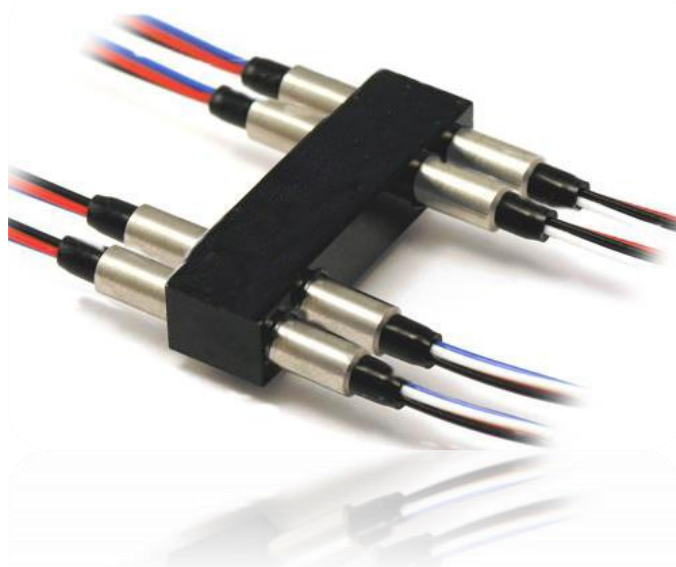
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◆ Features

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

◆ Application

- Metropolitan Area Network
- R&D in Laboratory
- System Monitoring
- Configurable OADM



◆ Performance

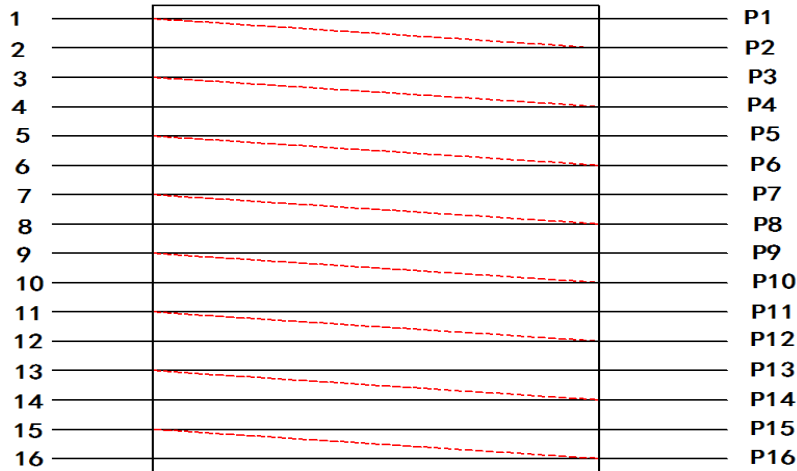
Parameters		OSW-(4-D2×2B)	
Wavelength Range	nm	650~1310	1260~1670
Testing Wavelength	nm	650/780/850/980/1064/1310	1310/1490/1550/1625/1650
Insertion Loss	dB	Typ:0.6,Max:1.0	Typ:0.8 ,Max:1.2
Return Loss	dB	≥30	≥50
Crosstalk	dB	≥35	≥50
PDL	dB	≤0.05	
WDL	dB	≤0.25	
TDL	dB	≤0.25	
Repeatability	dB	≤±0.02	
Power supply	v	3.0 or 5.0	
Lifetime	Cycle	≥10 ⁷	
Switch Time	ms	≤8	
Transmission Power	mW	≤500	
Operation Temperature	°C	-20~+85	
Storage Temperature	°C	-40~+85	
Weight	g	30	
Dimension	mm	(L)38×(W)12×(H)8.5(±0.2)	



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◇ Route States



◇ Pins

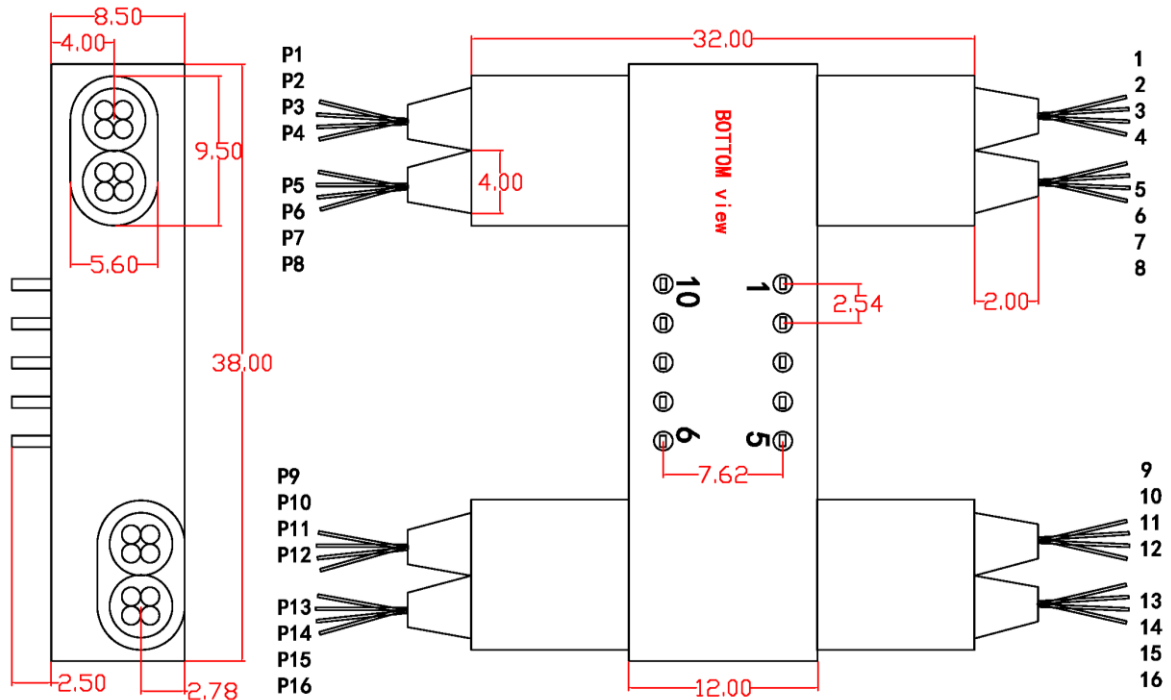
Optical Path		Electrical Drive				Sensor Status	
4-D2×2B		1	5	6	10	3-4 7-8	2-3 8-9
Latching	1-P2,3-P4,5-P6,7-P8,9-P10, 11-P12,13-P14,15-P16	N/A	N/A	GND	+5V	OPEN	CLOSE
	1-P1,2-P2,3-P3,4-P4,5-P5, 6-P6,7-P7,8-P8,9-P9,10-P10, 11-P11,12-P12,13-P13, 14-P14,15-P15,16-P16	+5V	GND	N/A	N/A	CLOSE	OPEN
Non-Latching	1-P2,3-P4,5-P6,7-P8,9-P10, 11-P12,13-P14,15-P16	N/A	N/A	N/A	N/A	OPEN	CLOSE
	1-P1,2-P2,3-P3,4-P4,5-P5, 6-P6,7-P7,8-P8,9-P9,10-P10, 11-P11,12-P12,13-P13, 14-P14,15-P15,16-P16	+5V	N/A	N/A	GND	CLOSE	OPEN



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◆ Dimensions



◆ Ordering Information: OSW-(4-D2×2B)-A-B-C-D-E-F-G

A	B	C	D	E	F	G
Mode	Wavelength	Voltage	Control Model	Fiber Diameter	Fiber Length	Connector
SM:9/125um M5: 50/125um M6: 62.5/125um	85: 850nm 13: 1310nm 14: 1490nm 15: 1550nm 162: 1625nm 165: 1650nm 13/15:1310/1550nm	3: 3V 5: 5V	L: Latching N:Non-Latching	25:250um 90:900um	05:0.5m 10:1.0m 15:1.5m	OO:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC