

2x2 Opto-Mechanical Switch

FEATURES

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

APPLICATIONS

- Configurable Optical Networks
- Fiber Optic Instruments
- Optical Signal Routing
- Testing Instruments
- System Monitoring

SPECIFICATIONS

Parameters	Unit	Single Window	Dual Window
Center Wavelength	nm	1310, 1480, 1550 1590, 1625	1310&1550 C+L(1520~1620)
Bandwidth	nm	+/-30	
Insertion Loss	dB	≤1.0	≤1.2
Wavelength Dependent Loss	dB	≤0.30	≤0.35
Return Loss	dB	≥50	
PDL	dB	≤0.10	
Cross Talk	dB	≥55	
Switching Speed	ms	≤10	
Durability	cycle	≥10,000,000	
Repeatability	dB	≤+/-0.05	
Operating Voltage	V	3, 5	
Fiber Type	-	SMF-28 Fiber	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available.

PIN CONFIGURATION

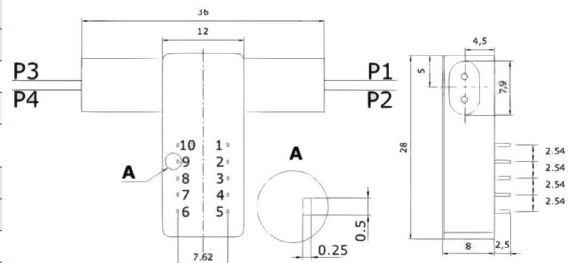
Latching Type:

Optical Path	Electrical Drive				Status Sensor			
	Pin 1	Pin 5	Pin 6	Pin 10	Pin 2-3	Pin 3-4	Pin 7-8	Pin 8-9
Path 1-3 & 2-4	V+	GND	NC	NC	Open	Close	Close	Open
Path 1-4 & 2-3	NC	NC	GND	V+	Close	Open	Open	Close

Non-Latching Type:

Optical Path	Electrical Drive				Status Sensor			
	Pin 1	Pin 5	Pin 6	Pin 10	Pin 2-3	Pin 3-4	Pin 7-8	Pin 8-9
Path 1-3 & 2-4	V+	NC	NC	GNC	Open	Close	Close	Open
Path 1-4 & 2-3	NC	NC	NC	NC	Close	Open	Open	Close

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FOMS- NNNN	-	NN	C	N	-	C	NN	-	CC/CCC
<i>Center Wavelength</i>		<i>Configuration</i>	<i>Latching</i>	<i>Voltage</i>		<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
1310- 1310nm		22- 2x2 Type	L= Latching	3=3V		B= Bare Fiber	05=0.5m		N=Without Connector
1550- 1550nm			N=Non-Latching	5=5V		L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
1315- 1310nm&1550nm						2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
CL= C+L Band						3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector