idealphotonics

Connecting the world,Sensing the futhure

2x2 Opto-Mechanical Switch

Feathure

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

Application

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

Specification

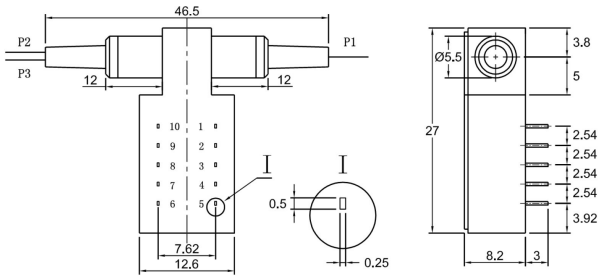
Parameters	Unit	Single Window	Dual Window
Working Wavelength	nm	1270-1350 or 1510-1590	1310/1550+/-40
Insertion Loss (23°C)	dB	≤1.0	≤1.2
Wavelength Dependent Loss	dB	≤0.30	≤0.30
Return Loss	dB	≥50	
PDL	dB	≤0.10	
Cross Talk	dB	≥55	
Switching Speed	ms	≤10	
Switch Type	-	Latching or Non-Latching	
Durability	cycle	≥10,000,000	
Repeatability	dB	≤+/-0.05	
Operating Voltage	V	3, 5	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

Package Dimensions



Latching Type:

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

Non-Latching Type:

Optical Path	Electrical Drive				Status Sensor			
	Pin 1	Pin	Pin6	Pin	Pin 2-3	Pin	Pin 7-8	Pin 8-9
Path 1-2	NC	NC	NC	NC	Close	Open	Open	Close
Path 1-3	V+	NC	NC	GN	Open	Close	Close	Open

Ordering information

IOMS- NNNN - NN C N - C NN - CC/CCC

NNNN	NN	C	N	C	NN	CC/CCC
Center Wavelength 1310= 1310nm 1550= 1550nm 1315= 1310nm&1550nm	Configuration: 22= 2x2 Type	Latching: L= Latching N= Non-Latching	Voltage: 3= 3V 5= 5V	Fiber Type B= 250um Bare Fiber L= 900um Loose Tube	Fiber Length 10=1.0m 15=1.5m 20=2.0 m	Connector Type N =Without Connector FC/APC=FC/APC Connector LC/PC =LC/PC Connector