



1x2 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
Working Wavelength	nm	1260-1360 or 1510-1610	1310/1550+/-40
Insertion Loss	dB	≤0.8	≤1.0
Wavelength Dependent Loss	dB	≤0.25	≤0.30
Return Loss	dB	≥55	
PDL	dB	≤0.10	
Cross Talk	dB	≥55	
Switching Speed	ms	≤10	
Durability	cycle	≥10,000,000	
Repeatability	dB	≤+/-0.03	
Operating Voltage	V	5	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	mm	(L)46x(W)13.4x(H)11	

- Note:**
1. Specifications are for device without connectors.
 2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.
 3. Devices for higher optical power and pulse power are also available per request.

ORDERING INFORMATION

FOMS-	NNNN	-	NXN	C	-	C	NN	-	CC/CCC
Center Wavelength	Configuration:		Latching:	Fiber Type		Fiber Length	Connector Type		
1310= 1310nm	1X1= 1x1 Type		L= Latching	B= 250um Bare Fiber		10=1.0m	N =Without Connector		
1550= 1550nm	1X2= 1x2 Type		N=Non-Latching	L= 900um Loose Tube		15=1.5m	FC/APC=FC/APC Connector		
1315= 1310nm&1550nm						20=2.0m	LC/PC =LC/PC Connector		

PIN CONFIGURATION

Latching Type:

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

Non-Latching Type:

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

DIMENSION SIZE

