



Mini 2X2B Mechanical Switch

Features

- Low insertion Loss
- Wide Wavelength Range
- High Channel Isolation
- High Stability, High Reliability
- Epoxy-free on Optical Path
- Latching or Non-latching

Applications

- Optical Network
- Protection/Restoration
- Optical Singnal Routing
- Configurable Optical Add/Drop
- Transmitter and receiver protection
- OADM

The **Mini 2X2B Switch** developed by **Optiworks** is an Electromechanical optic switch and based on unique optics design and packaging for fast and reliable fiber optic switching. The switching between these two states is achieved by applying 5V DC to the switch module. The switch is bi-directional so that the optical input and output can be reversed.

Performance Specifications

Parameters	OW-Mini 2×2B SW		
Wavelength	850	1270~1625	nm
Operating	850	1310/1490/1550	nm
Insertion Loss	Typ:0.8 Max:1.2	Typ:0.8 Max:1.0(1.2 for dual bands)	dB
Switch Time	≤7.5		ms
Crosstalk	MM≥35	SM≥55	dB
Return Loss	MM≥30	SM≥50	dB
PDL	SM≤0.1		dB
WDL	≤0.35		dB
Repeatability	≤±0.05		dB
Power supply	5.0 or 3.3		v
Lifetime	≥10 ⁷		Time
Transmission	≤500		mW
OperatingTemp	-20~+70		°C
Storage	-40~+85		°C
Dimension	(L)27.0×(W)12.0×(H)8.0(±0.2)		mm



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Electrical Parameters

Specifications	Voltage	Current	Resistance
5V latching	4.5~5.5	44~54mA	101Ω
5V non-latching	4.5~5.5	31~38mA	145Ω
3V latching	2.7~3.5	60~78mA	45Ω
3V non-latching	2.7~3.5	42~55mA	64Ω

Ordering Information

Category	Mode	Wavelength	Voltage Type	Control Model	Fiber Type	Fiber Diameter	Fiber Length	Connector
SW=Switch	S=SM M=MM	85=850nm 13=1310nm 14=1490nm 15=1550nm 61=1610nm 13/15=1310 /1550nm XX=Others	5=5V 3=3V	L=Latching N=Non- Latching	SM=SMF-28e M5=MM50/125 M6=MM62.5/125 XX=Others	25=250um 90=900um 20=2.0mm 30=3.0mm XX=Others	10=1m 13=1.3m 15=1.5m 20=2m mn=m.n Meter	0=None 1=FC/PC 2=FC/APC 3=SC/PC 4=SC/APC 5=ST/PC 6=ST/APC 7=LC/PC 8=LC/APC 9=MU/PC A=MU/APC XX=Others