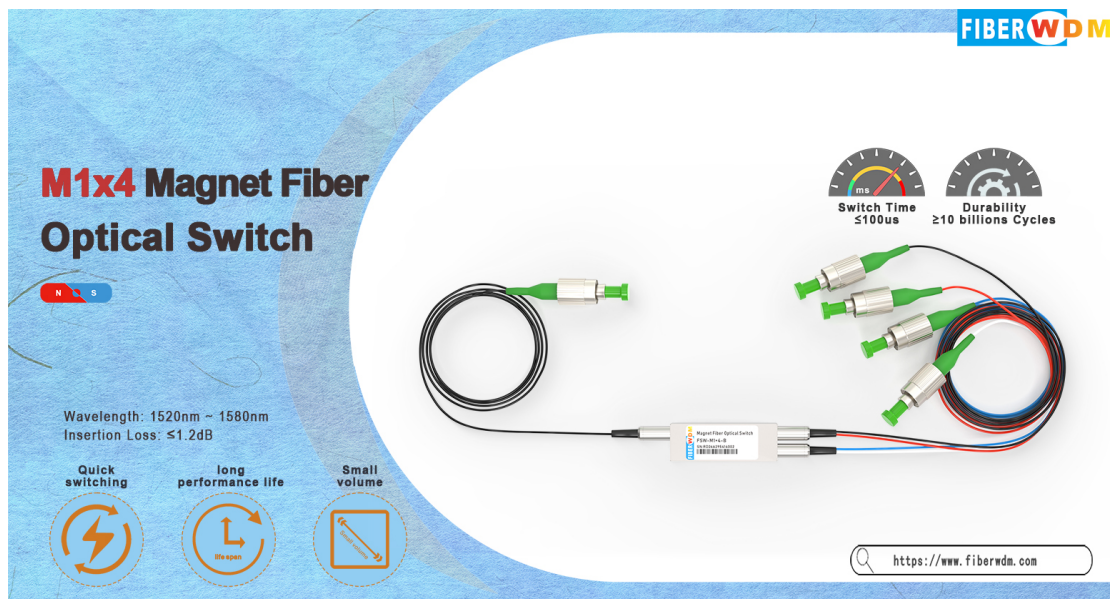


M1x4 Magnet Fiber Optical Switch

The M1x4 Magnet Fiber Optical Switch is connected to the optical path by connecting or blocking the optical signal. the switch has non-mechanical configurations and activated via an electrical control signal. the switch also has build-in circulator and isolator functions. Products are widely used in aerospace and military equipment.



Features

- ◆ Solid-state high speed
- ◆ High Stability, High Reliability
- ◆ Epoxy-free on Optical Path
- ◆ Fail-safe latching

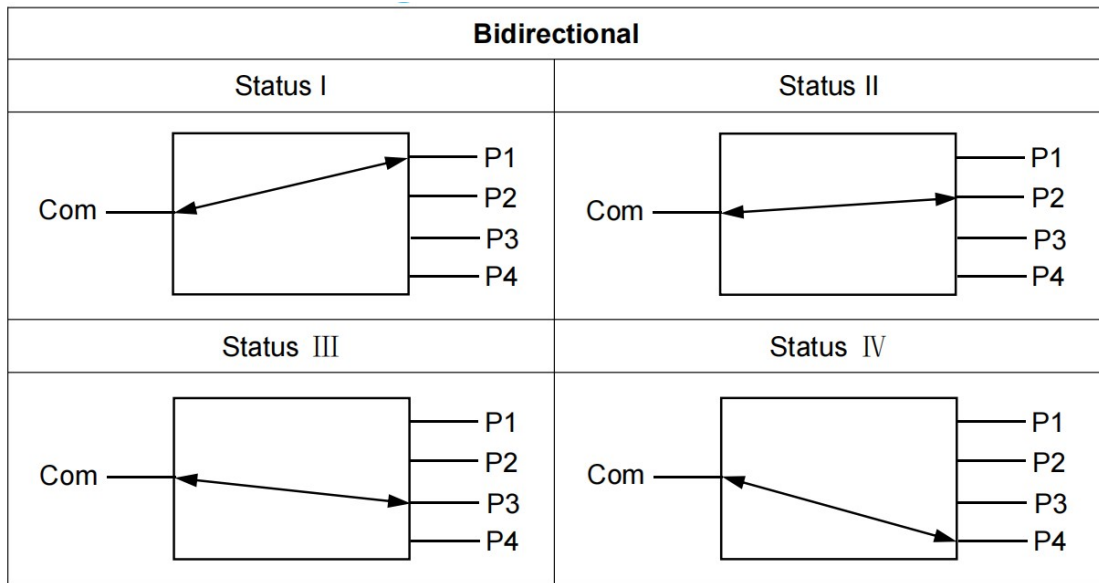
Applications

- ◆ Aerospace equipment
- ◆ Configurable Add/Drop
- ◆ System monitoring
- ◆ Sensing system

Performance Specifications

Parameters	Unit	Specifications
Wavelength Range	nm	1520 ~ 1580
Test Wavelength	nm	1550
Insertion Loss ^{1, 2}	dB	≤ 1.2
TDL	dB	≤ 0.30
ER	dB	≥ 18
Return Loss	dB	≥ 50
Crosstalk	dB	≥ 40
Repeatability	dB	$\leq \pm 0.01$
Switching Time	us	≤ 100
Pulse Duration	us	≥ 200
Durability	Cycles	≥ 10 Bllions
Switch Type	NA	Latching
Operating Current	mA	≤ 200

Functional Diagram



Ordering Information

FSW-M1x4-□-□-□-□-□-□-□

—□	—□	—□	—□	—□	—□	—□
Switch Type	Fiber Type	Voltage	Wavelength	Tube Type	Fiber Length	Connector
B: Bidirectional	SM: SM, 9/125 X: Others	2.5: 2.5V X: Others	1550: 1550nm X: Others	250: 250um 900: 900um X: Others	05: 0.5m±5cm 10: 1.0m±5cm X: Others	OO: None FC: FC/PC FA: FC/APC SC: SC/PC SA: SC/APC LC: LC/PC X: Others