

Rack-mounted Optical Switch

Features

- Low loss, High Reliability, High Stability
- LCD Display
- RS232 and Ethernet Interface



Applications

- Ring network
- Testing of fiber, optical component
- Optical network auto-monitor

1 × N rack-mounted optical switch can be manually selected from front panel or control via RS232 port, Ethernet port. It can be controlled to switch step by step or set scanning automatically in certain frequency. In optical fiber transmission system, it is used for multi-channel fiber monitoring, multi light source/ detector selection, and optical fiber path protection etc. Besides, it is also used in optical fiber test system for optical fiber and its component test, outdoor cable test and multi-spot optical sensors monitoring system.

Specifications

Parameters		SUN-FSW-1×N-U		
Wavelength range	dB	1<N≤32		64<N≤128
		Typ:1.0 Max:1.2	Typ:1.2 Max:1.7	Typ:1.4 Max:2.0
Operating wavelength	nm	532~980		1260~1650
Insertion loss	nm	650/780/850/980		1310/1490/1550/1625/1650
Return loss	dB	SM≥50、MM≥30		
Crosstalk	dB	≥55		
PDL	dB	≤0.05		
WDL	dB	≤0.25		
TDL	dB	≤0.25		
Repeatability	dB	≤±0.02		
Lifetime	Times	10 ⁷		
Transmission power	mW	≤500		
Switch time	ms	≤10		
Operating	°C	-10~+60		
Storage temperature	°C	-40~+80		
Power supply	V	AC 85-264V,50/60Hz or DC(36-72)V		
Dimensions	mm	1U L483×W220×H44 (Up to 16 channel) customization is available.		
		2U,4U L483×W303×H89 (Up to 130 channel) customization is available.		

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□ Ordering Information: SUN—FSW—1×N—A—B—C—D—E—F

N	A	B	C	D	E	F
Channel	Package spec	Mode	Wavelength	Voltage Type	Fiber Type	Connector
1~128	1U 2U 3U 4U	S:SM M:MM	85: 850nm 13: 1310nm 14: 1490nm 15: 1550nm 162: 1625nm 165: 1650nm 13/15:1310/1550nm X:Others	AC: 85-264V DC: 36-72V AC/ DC: 220V&48V	5:50/125、 6:62.5/125 9: 9/125 X: Others Inner fiber type	FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC STP: ST/PC STA: ST/APC LP: LC/PC LA: LC/APC X: Others