

1×N(N≤128) Mechanical Optical Switch

1×N Optical switch is a kind of device with the ability of optical route switch. In optic fiber transmission system, it is used for optical route controlling, LAN, light source / detector changing, and protecting the change of Ethernet etc. In optical fiber test system, it is used for optical fiber and optical fiber device testing, network testing, open-air optical cable testing and optical fiber sensing.

Features

- More Than 128 Channels
- Low Loss and High Reliability
- Parallel Interface (TTL)
- Modularized Design
- Epoxy-free on Optical Path



Applications

- Ring Network
- Remote Monitoring in Optical Network
- Testing of Fiber, Optical Component

Specifications

Parameters		MOSW-1×N			
Insertion Loss	dB	1<N≤12	16<N≤32	32<N≤64	64<N≤128
		Typ:0.6 Max:0.8	Typ: .8 Max:1.0	Typ:1.2 Max:1.5	Typ:1.7 Max:2.0
Wavelength Range	nm	532~980(MM)	532~980(SM)	1260~1620(MM)	1260~1620(SM)
Operating	nm	650/780/850/980	650/780/850/980	1310/1490/1550/1625	1310/1490/1550/1625
Return Loss	dB	SM≥50, MM≥30			
Crosstalk	dB	SM≥55, MM≥35			
PDL	dB	≤0.05			
WDL	dB	≤0.25			
TDL	dB	≤0.25			
Repeatability	dB	≤±0.02			
Lifetime	times	10 ⁷			
Transmission	mW	≤500			
Switch Time	ms	≤10			
Operating	°C	-20~+70			
Storage	°C	-40~+85			
Power Supply	V	+5 or 12			
Dimension	mm	1<N≤4 (135×40×32)	4<N≤12 (135×64×32)	12<N≤16(184×78×36)	
		16<N≤32(184×78×66)	32<N<88 (184×156×66)	88≤N≤128(184×220×66)	

Ordering Information
MOSW-1 × ①-②②-③-④-⑤-⑥-⑦

①: Channel	②②: Wavelength	③: Mode	④: Connector Type	⑤: Fiber Jacket	⑥: Fiber Length
1~128	65 - 1650nm	S: SM	1 - FC/PC	B - 250 μm Panda fiber	0 - 0.5 m
	62 - 1625nm	M: MM	2 - FC/APC	L - 900 μm loose tube	1 - 0.75 m
	55 - 1550nm		3 - SC/PC	C - 3 mm cable	2 - 1 m
⑦: Fiber Type	48 - 1480nm		4 - SC/APC	S - Specify	3 - 1.5 m
0 - Panda Fiber	31 - 1310nm		5 - ST/PC		S - Specify
	85 - 850nm		6 - ST/APC		
			7 - LC/PC		⑦: Voltage Type
			8 - LC/APC		1 - 5V
			N - None		2 - 12V
			S - Specify		