

1×N Optical Switch

SUN Telecom's 1×N Optical switch is a kind of device with the ability of optical route switch. In fiber optic 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	SUN-FSW1XN			
	1<N≤12	16<N≤32	32<N≤64	64<N≤128
Insertion Loss (dB)	Typ:0.6	Typ:0.8	Typ:1.2	Typ:1.7
	532 ~ 980 (MM)	532 ~ 980 (SM)	1260 ~ 1620 (MM)	1260 ~ 1620 (SM)
Wavelength Range (nm)	650/780/850/980	650/780/850/980	1310/1490/1550/1625	1310/1490/1550/1625
Operating Wavelength (nm)	SM≥50, MM≥30			
Return Loss (dB)	SM≥55, MM≥35			
Crosstalk (dB)	≤0.05			
PDL (dB)	≤0.25			
WDL (dB)	≤0.25			
TDL (dB)	≤±0.02			
Repeatability (dB)	107			
Lifetime (times)	≤500			
Transmission Power (mW)	≤10			
Switch Time (ms)	-20 ~ +70			
Operating Temp. (°C)	-40 ~ +85			
Storage Temp. (°C)	+5 or 12			
Power Supply (V)	1<N≤4 (135×40×32)	4<N≤12 (135×64×32)	12<N≤16 (184×78×36)	
Dimensions (mm)	16<N≤32 (184×78×66)	32<N<88 (184×156×66)	88≤N≤128 (184×220×66)	

Ordering Information:

N	A	B	C	D	E	F	G
Channel	Mode	Wavelength (nm)	Voltage Type (V)	Fiber type	Fiber diameter	Fiber Length	Connector
1~128	S:SM M:MM	85: 850 13: 1310 14: 1490 15: 1550 162: 1625 165: 1650 1315:1310/1550 X: Other	3: 5 5: 12	5:50/125 6:62.5/125 9: 9/125 X: Other	250:250um 900:900um; 2:2.0mm 3: 3.0mm X: Other	L1:1.0m X: Other	None FC: FC/PC AFC: FC/APC SC: SC/PC ASC: SC/APC ST: ST/PC AST: ST/APC LC: LC/PC ALC: LC/APC X: Other

Note: For the necessity of improvement, the material contained in this document is subject to change without notice.



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