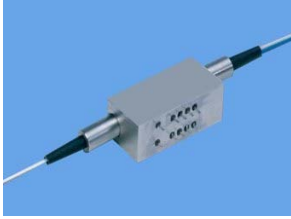


LEAD Fiber Optics PRODUCT CATALOGUE

OPTICAL SWITCH

LFO 1x2 Optical Switch Series



1x2 Optical Switch

1x2 optical switch is based on opto-mechanical technology with proven reliability. They are designed for using in optical add/drop, optical cross connection (OXC) system, optical test system, and optical fiber ring protection in optical networks. Based on micro mirror, the switch itself can directly be mounted on printed circuit boards (PCBs).

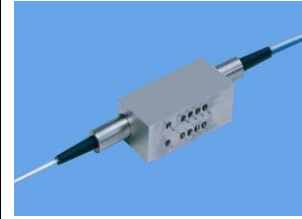
1x2 Optical Switch

Features

- Fast switch speed
- Ultra-Low insertion Loss
- Wide wavelength range
- Low Polarization dependent Loss

Applications

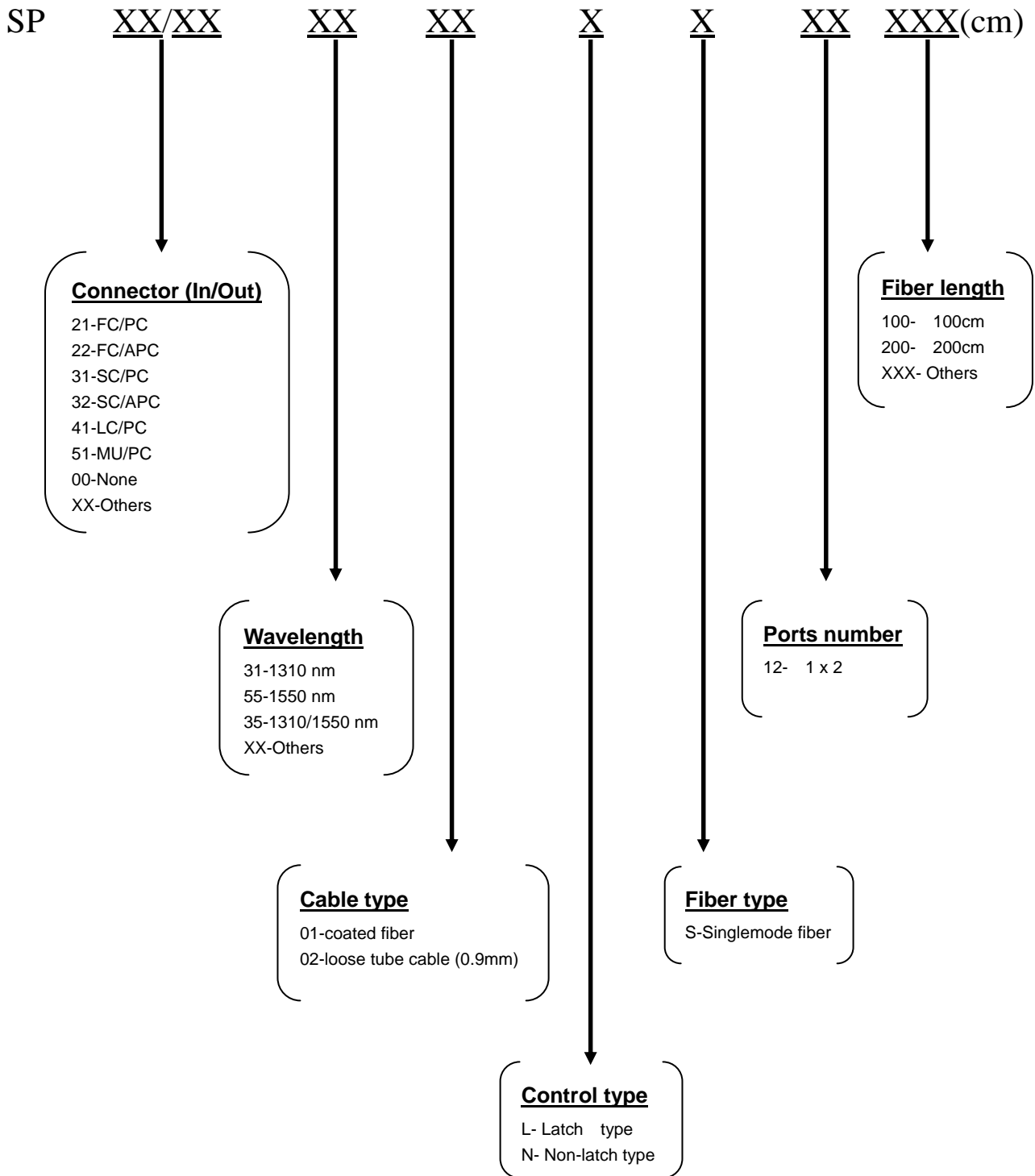
- Protection switch
- Optical subsystem
- Reconfiguration



Specifications

ITEM	Latch Type	Non-Latch Type
Wavelength	1310/1550 or Customer design	
Insertion Loss	0.7 dB Typical, 1.0 dB Max	
Back-Reflection Singlemode	≥ 55 dB	
Switching time	5 msec Typical, 10 msec Max	
Cross-talk	55 dB	
Durability	10 million cycles Min.	
Repeatability	0.03 dB Max.	
Switch Voltage	5 VDC ± 10 %	
Operation Current	40mA ± 10%	28.1mA ± 10%
Operation Temperature	0°C ~ 75°C	
Storage Temperature	-40°C ~ 75°C	
Polarization Dependent Loss	0.06 Typical, 0.1 Max	
Switch control	2 coil	Single side stable
Maximum Optical power, mW	500	
Housing dimension	50.1×14×11(mm)	
Fiber Type	SMF	

1x2 optical Switch Ordering information



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