



4x4 Mechanical Fiberoptic Switch

AC Photonics' MS Series switch connects optical channels by redirecting an incoming optical signal into a selected output fiber. This is achieved using patent pending opto-mechanical proprietary configurations and activated via an electrical control signal. The switch offers ultra-high reliability and fast switching speed as well as bi-directional performance. The MS fiberoptic switches are true switching solutions for optical networking applications.



Features

- Unmatched Low Cost
- Low Insertion Loss
- Latching
- High Channel Isolation
- Highly Stable and Reliable
- Epoxy-Free Optical Path

Applications

- Optical Signal Routing
- Optical Crossconnection
- Configurable Optical Add/Drop
- Transmitter and Receiver Protection
- Network Test Systems
- Instrumentation

Performance Specifications

Parameter	Specification	
Operating Wavelength (nm)	1260 ~ 1360 or 1510 ~ 1610	1310/1550±40
Insertion Loss (dB)	1.5(Max.)	1.8(Max.)
Wavelength Dependent Loss(WDL)(dB)	≤0.25	≤0.3
PDL (dB)	≤0.2	
Cross Talk (dB)	≥50	
Return Loss (dB)	≥50	
Repeatability(dB)	<±0.05	
Switching Speed(ms)	25(Max.)	
+5 VDC Power Supply (V)	5 (Typ.)	
+3.3 VDC Power Supply (V)	3.3 (Typ.)	
+5 VDC Switch Current (mA)	500 (Max.)	
Digital Interface Logic	TTL	
Power Handling(mW)	300	
Durability (Cycles)	10 Million	
Operating Temperature (°C)	0 ~ +70	
Storage Temperature(°C)	-40 ~ +85	
Dimensions (mm)	140(L)x115(W)x24(H)	

Specifications may change without notice

Ordering Information

Option	Operating Wavelength	Port	Grade	Pigtail Style	Fiber Length	In/Out Connector
L=	15=1510~1610nm	0404=4x4	P=P Grade	2=900um Jacket	1=1m	0=None
Latching	13=1260~1360nm				2=2m	1=FC/APC
	35=1310/1550nm					2=FC/PC
						3=SC/APC
						4=SC/PC
						5=ST
						6=LC

Dimensions (mm)

