

4x4 Mechanical Fiberoptic Switch

ACP's MS Series switch connects optical channels by redirecting an incoming optical signal into a selected output fiber. This is achieved using a patent pending opto-mechanical proprietary configuration 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 solution for optical networking applications.

PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
Channel Wavelength	1260nm to1360nm or 1510nm to1610nm	1310nm/1550nm ±40nm
Insertion Loss	1.5dB (Max.)	1.8dB (Max.)
Wavelength Dependent Loss	≤ 0.25dB	≤ 0.30dB
Channel Cross Talk		≥ 55dB
Polarization Dependent Loss		≤ 0.15dB
Return Loss		≥ 50dB
Repeatability		± 0.05dB
Switching Speed (Typ.)		25 ms (Max.)
+5 VDC Power Supply		5V (Typ.) 3.3V
+3.3 VDC Power Supply		(Typ.) 500 mA
+5 VDC Switch Current		(Max.) TTL
Digital Interface Logic		10 Million
Durability (Cycles)		300mW
Optical Power		0 to +70°C
Operating Temperature		-40 to +85°C
Storage Temperature		
Package Dimensions	L140mm x W115mm x H24mm	



FEATURES

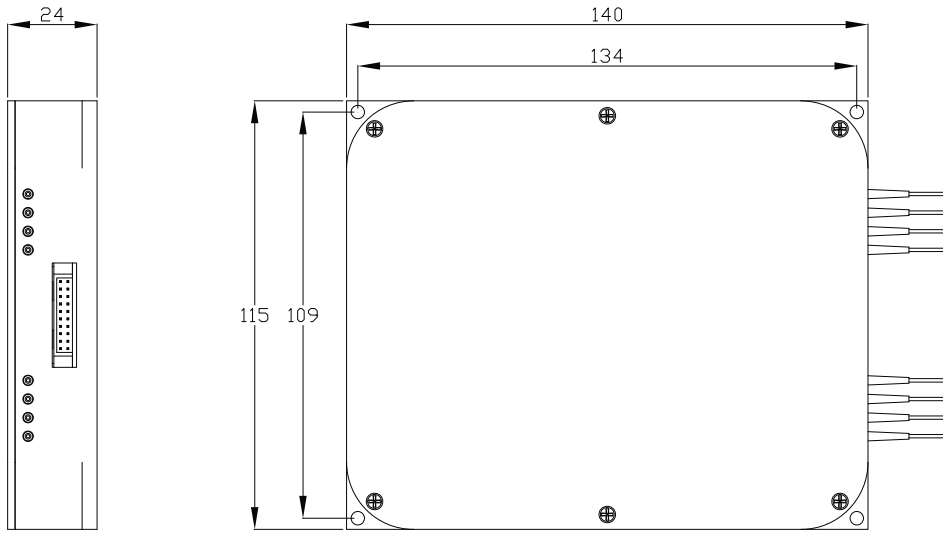
- Unmatched Low Cost
- Low Insertion Loss
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path
- Latching

APPLICATION

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

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MECHANICAL DIMENSIONS



ORDERING INFORMATION

Option	Operating Wavelength	Port	Grade	Pigtail Style	Fiber Length	In/Out Connector
L = Latching	15 = 1510 to 1610nm 13 = 1260 to 1360nm 35 = 1310 to 1550nm	0404 = 4x4	P = P Grade	2 = 900um Jacket	1 = 1.0m 2 = 2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC