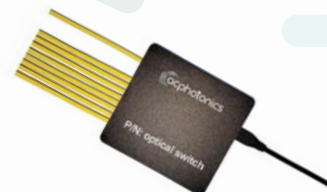


MEMS SM Fiber Optic Switch with Control Board

ACP 1xN MEMS optical switch with control board is based on low-loss MEMS chips with tilting mirrors. The MEMS switch is extremely stable and reliable, covering wide wavelength from 1260nm to 1670nm. The intelligent management of the control system realizes the optical switching from COM port to any channel. The switch is powered via USB port.



PERFORMANCE SPECIFICATIONS

Parameter	Specifications				
Operating Wavelength	1310±40nm 1550±40nm 1310/1550±40nm 1260~1650nm				
Insertion Loss	≤8 ch (Typical)	≤ 0.6dB	≤ 0.6dB	≤ 0.8dB	≤ 1.4dB
	≤8 ch (Max.)	≤ 0.8dB	≤ 0.8dB	≤ 1.0dB	≤ 1.6dB
	≤16 ch (Typical)	≤ 1.0dB	≤ 1.0dB	≤ 1.2dB	≤ 1.4dB
	≤16 ch (Max.)	≤ 1.6dB	≤ 1.6dB	≤ 1.6dB	≤ 1.8dB
Wavelength Dependent Loss	≤ 0.30dB				
Polarization Dependent Loss	≤ 0.15dB				
Channel Crosstalk	≥ 45dB				
Return Loss	≥ 50dB				
Repeatability	± 0.05dB				
Switching Speed	≤ 20ms				
Durability (Cycles)	≥10 ⁹				
Optical Power	≤ 500mW				
Control Interface	USB Micro				
Operating Temperature	-5 to +70°C				
Storage Temperature	- 40 to +85°C				
Package Dimensions (LxWxH)	J=86x80x20.8mm				

All values referenced are without connector.

FEATURES

- Small Package
- High Stability and Reliability
- Non-Latching

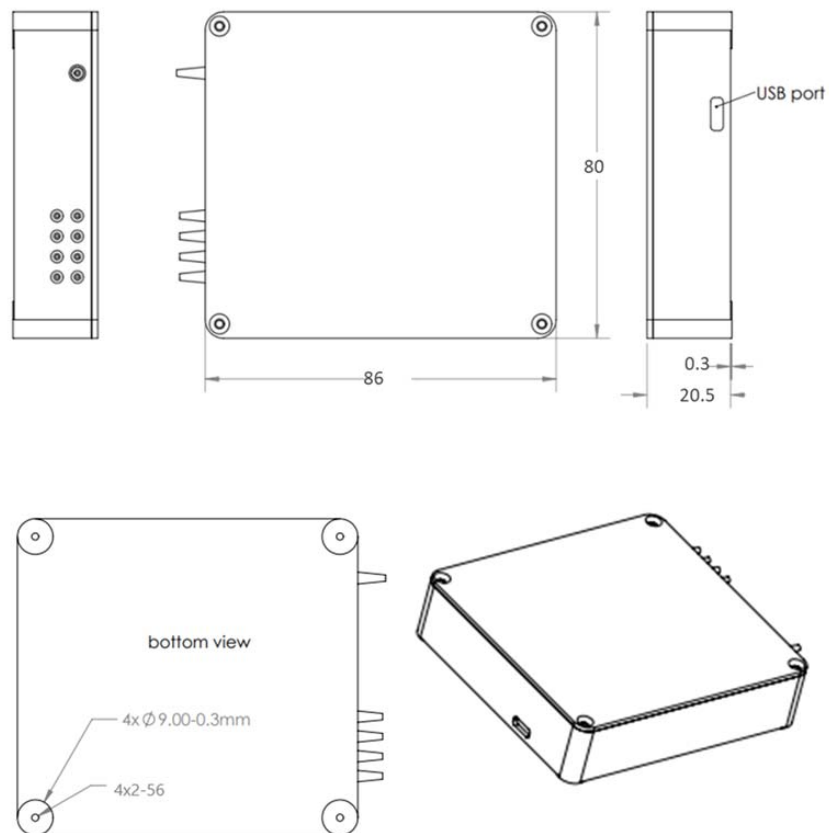
APPLICATION

- DWDM Networks
- Channel Monitor
- R&D in Laboratory

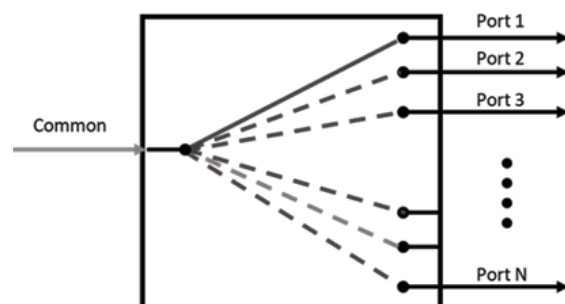
MEMS SM Fiber Optic Switch with Control Board

MECHANICAL DIMENSIONS

J Package



PORT CONFIGURATIONS



MEMS SM Fiber Optic Switch with Control Board

ORDERING INFORMATION

MEMS <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CTR									
Option	Operating Wavelength	Port	Package	Fiber Type*	Pigtail Style	Fiber Length	In Connector	Out Connector	
N=Non-Latching	31=1310nm	104=1x4	J=J Package	2=SMF-28 Ultra (G.657.A1) 3=ClearCurve ZBL(G.657.B3)	1=Bare fiber 2=900um loose tube	05=0.5m	0=None	0=None	
	55=1550nm	108=1X8				10=1.0m	1=FC/APC	1=FC/APC	
	Custom	.				.	2=FC/PC	2=FC/PC	
		.				.	3=SC/APC	3=SC/APC	
		.				.	4=SC/PC	4=SC/PC	
		116=1x16				20=2.0m	5=ST	5=ST	
							6=LC/UPC	6=LC/UPC	
							7=LC/APC	7=LC/APC	

*1=SMF-28(G.652) is available upon request.

** Other length is available upon request, However, 900um loose tube is only up to 2m.

RELATED PRODUCTS

MEMS SW