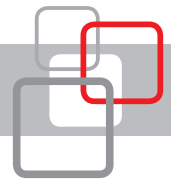


OPTICAL SWITCH 1 X 16



MEMS optical switch based on electronically driven micro-electromechanical system. The MEMS switch consists of an electrically control mirror on a silicon substrate. A voltage applied to the MEMS chip causes the mirror to rotate, which changes the coupling of light between the input and output fibers of the MEMS Optical Switch. 16 switching channels.

Specification:

Parameter	Unit	Value
Number of switching channels	--	16
Wavelength band	--	O, C or L
Insertion loss	dB	≤ 1.5 dB
Repeatability	dB	$\leq \pm 0.02$
Return loss	dB	≥ 50
Cross talk	dB	≥ 50
Wavelength dependent loss	dB	≤ 0.3
Polarization dependent loss	dB	≤ 0.2
Temperature dependent loss	dB	≤ 0.3
Switching time	ms	≤ 15
Optical power	mW	≤ 500
Switch type	--	Non-latching
Durability	Cycles	Min. 1 Billion
Operating temperature	$^{\circ}\text{C}$	-5 up to + 60 $^{\circ}\text{C}$
Fiber type	--	SMF-28
Connector type	--	LC/APC
Power supply	VDC	5
Power consumption	W	Max. 5
Dimensions	mm	230x115x80
Weight	kg	0.5

Key features:

- High speed switching
- High stability and reliability
- Low insertion loss
- Insensitive to shock and vibration