O-Net Technologies
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MEMS Optical Switch

Features

- Compact size
- Fast switch time
- Low insertion loss, low PDF, low WDL
- High durability

Applications

- Protection switching
- Network monitoring
- OADM, OXC, OPM

Main Specifications

Parameter	Max	Min	Specification	Unit
Type			Non-latching	
Wavelength Range			C/L-band	
Insertion Loss @ Room Temperature[1]	√		0.8	dB
Polarization Dependent Loss	√		0.15	dB
Wavelength Dependent Loss[2]	√		0.2	dB
Temperature Dependent Loss	√		0.4	dB
Crosstalk		√	50	dB
Return Loss		√	45	dB
Repeatability			±0.1	dB
Switching Time[3]	√		20	ms
Fiber Type			250	μm
Durability			1 billion	cycle
Optical Power Handling		√	500	mW
Power Consumption	√		0.5	W
Drive Voltage (with PCBA)	√		5.25	V
Operating Temperature Range			-5 ~ +70	°C
Storage Temperature Range			-40 ~ +85	°C

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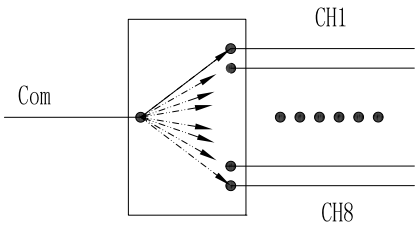
Notes:

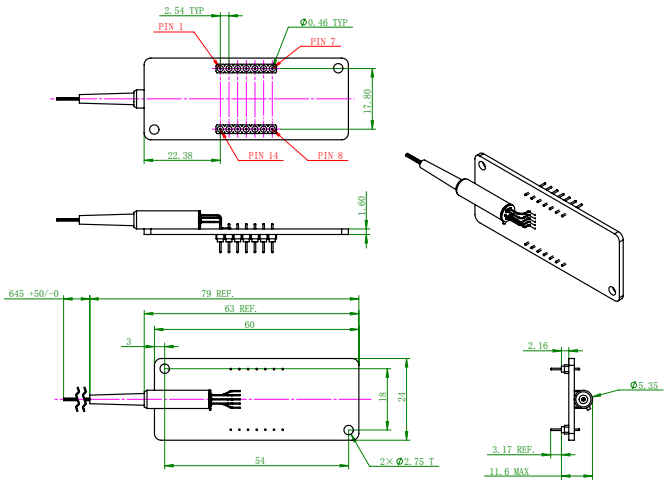
1. Specified without connectors at 23°C.
2. Specified within ±20 nm at 23°C.
3. 10-90% rise/fall time in linear domain. Method for measurement: send CW optical power to switch common port and measure the output signal 10-90% rise/fall time using a linear, DC-coupled photodetector and oscilloscope.

Function Diagram



1X8

Dimensions



Order Information

- The above specifications represent the typical performance of an O-Net Switch of this category.
- Please contact our Sales to discuss your specific requirements.