

# OSICS SWT

## Optical Switch and Shutter

OSICS SWT is a full suite of fiber optic switch and shutter modules based on optical prism technology. These modules are perfect modules for use in laboratory or manufacturing environment to automate test set-ups and reduce measurement uncertainties due to optical connections.

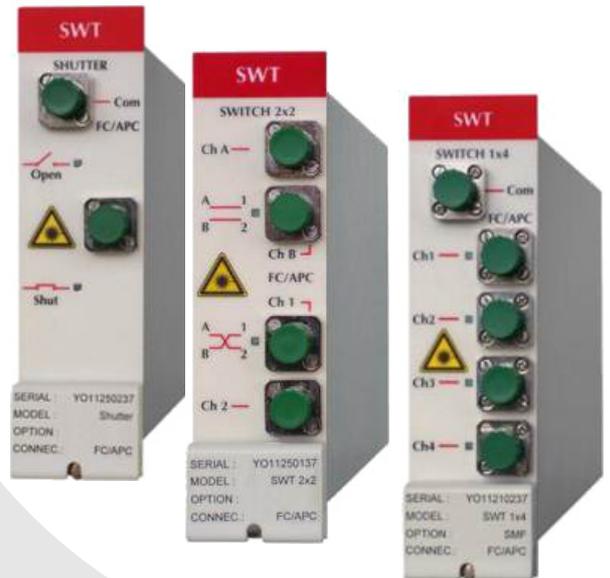
### Specifications

	SMF*1	PMF
Available Configurations	1x1 2x(1x1) 1x2 1x4 2x2	1x1 1x2 1x4
Spectral Range (nm)	1260-1630	1480-1630
Insertion Loss*2*3	≤ 1 dB	≤ 1.5 dB
Polarization Dependent Loss*2	PDL ≤ 0.1 dB	PER ≥ 20 dB
Repeatability*3	≤ 0.005 dB	≤ 0.01 dB
Return Loss*2	> 55 dB	> 55 dB
On/Off ratio (1x1 Shutter Only)	≥ 80 dB	
On/Off ratio (2x(1x1) Shutter Only)	≥ 65 dB	
Crosstalk*3	≥ 55 dB	
Switching Time	30 ms typ.	
Guaranteed Lifetime (number of cycle)	> 10 <sup>8</sup>	
Input/Output Fiber Type	SMF-28 fiber	PM15
Connection Type	FC/APC Narrow key	
Dimensions W x H x D	35 x 128 x 230 mm 1.4 x 5.0 x 9.0 in	
Weight	1 kg (2.21 lb)	
Temperature Range	+15 to +35 °C (+59 to +95 °F)	

\*1: Specifications apply for wavelengths not equal to any water absorption line

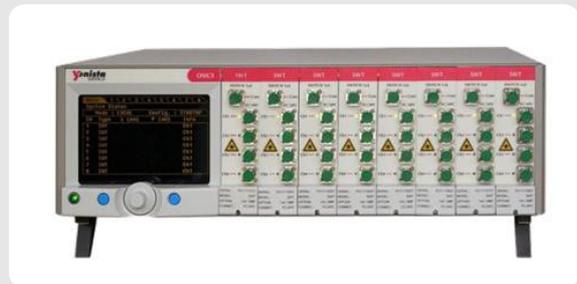
\*2: Typical values including connectors.  
Maximum insertion loss is 1.4 dB for SMF and 2.0 dB for PMF.

\*3: On the whole wavelength range.



### Key Features

- Low insertion and polarization dependent loss
- Excellent repeatability
- High optical isolation
- Low back reflection
- Broad spectral range
- Switch time of 30 ms
- Single slot module



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Information and specifications are subject to change without notice  
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