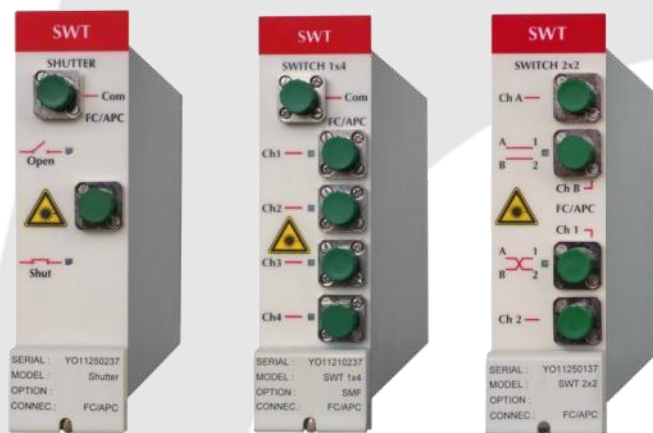


OSICS SWT – Optical Switch and Shutter

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.

Key Parameters

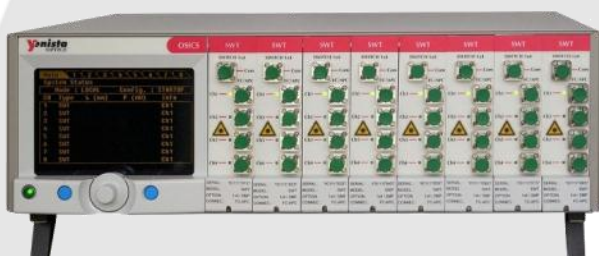
- Low insertion and polarization dependent loss
- Excellent reproducibility
- High optical isolation
- Ultra low back reflection: down to 65 dB
- Broad spectral range
- Short switch time : <30 ms
- Single slot module inside the OSICS platform



	Single Mode Fiber	Polarization Maintaining
Available configurations	1x1	
	2x(1x1)	1x1
	1x2	1x2
	1x4	1x4
	2x2	
Spectral range (nm)	1260-1630	1480-1630
Insertion loss *1, *2	< 1 dB	< 1.4 dB
Polarization dependence loss *1	PDL < 0.1 dB	PER > 20 dB
Repeatability *2	≤ 0.005 dB	≤ 0.01 dB
Return loss *1	> 65 dB	> 55 dB
On/off ratio (1x1 shutter only)		> 80 dB
On/off ratio (2x(1x1) shutter only)		> 65 dB
Crosstalk *2		> 55 dB
Switching time		30 ms typ.
Guaranteed lifetime (number of cycle)		> 10 ⁸
Input/output fiber type	SMF-28 fiber	PMF, SM15
Connection type	FC/APC Narrow key	
Remote communications port IEEE-488.2	Yes (on back panel of mainframe)	
Remote communications port RS-232 C	Yes (on back panel of mainframe)	
Dimensions W x H x D	35 x 128 x 230 mm ³ (1.4x5.0x9.0 in ³)	
Weight	1 kg (2.21 lb)	
Temperature operating range	15 - 35°C	

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

*2 : On the whole wavelength range.



All information and specifications are subject to change without notice

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