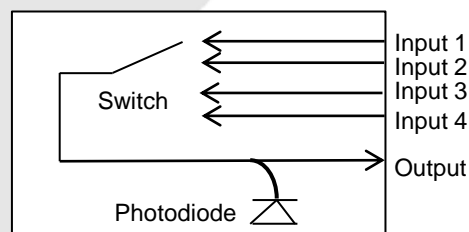


# OSICS SWT APC– Optical Switch with Automatic Power Control

OSICS SWT is a convenient sequential optical switch module that comes in a 1x2 or 1x4 configuration (1 common input/output channel and 2 or 4 output/input channels to choose from).

This module is fully bi-directional. It may be used in various setup types, for instance:

- **In a common configuration**, it allows you to direct a laser signal from the common input to either output channels.
- **In a reverse configuration**, you can direct one of the input channels to the common output channel.
- **In an Osics ECL driver configuration**, you can pilot from 1 to 4 ECL with the Osics SWT GUI. The Automatic Power Control automatically adjusts the output power of the input laser so you can get out of the switch the exact selected power by compensating any loss due to connection between laser and switch.



Osics SWT- APC Module Principle

<b>Spectral range (nm)</b>	1250-1650 nm
<b>Insertion loss</b> *1, *2	< 1.5 dB
<b>Polarization dependence loss (PDL)</b> *1, *3	< 0.1 dB
<b>Repeatability</b> *2, *4	± 0.02 dB
<b>Return loss</b> *1	54 dB
<b>Crosstalk</b> *2	- 50 dB
<b>Optical input/output connectors (module front panel)</b>	FC/APC
<b>Automatic Power Control</b>	Yes (with Osics ECL)
<b>Input/output fiber type</b>	Corguide™ SMF-28 fiber
<b>Connection type</b>	FC/APC wide key
<b>Synchronization</b>	BNC connector N2: 50 ms TTL pulses
<b>Remote communications port IEEE-488.2</b>	Yes (on back panel of mainframe)
<b>Remote communications port RS-232 C</b>	Yes (on back panel of mainframe)
<b>Dimensions W x H x D</b>	35 x 128 x 230 mm3 (1.4x5.0x9.0 in3)
<b>Weight</b>	1 kg (2.21 lb)
<b>Temperature operating range</b>	15 - 35°C

\*1 : Including connectors.

\*2 : On the whole wavelength range.

\*3 : At 1550 nm.

\*4 : At constant temperature, over 100 successive cycles.

## Ordering Information

Osics SWT 1x2 : 1 per 2 Optical Switch with Automatic Power control  
Osics SWT 1x4 : 1 per 4 Optical Switch with Automatic Power control

All information and specifications are subject to change without notice

**Yenista**  
OPTICS