

OSICS SWT APC

Optical Switch with Power Control

The OSICS SWT APC is an optical switch module that comes in a 1x2 or 1x4 configuration: one common output channel and two or four input channels.

A monitoring photodiode checks the optical output power of the module.

Specifications

	OSICS SWT APC
Spectral Range (nm)	1250-1650 nm
Insertion Loss*1*2	< 1.5 dB
Polarization Dependent Loss*1*3	< 0.1 dB
Repeatability*2*4	±0.02 dB
Return Loss*1	> 50 dB
Crosstalk*2	> 50 dB
Optical Input/Output Connectors (Module Front Panel)	FC/APC narrow key
Automatic Power Control	Yes (with OSICS T100 & ECL)
Input/Output Fiber Type	SMF-28 fiber
Synchronization (mainframe)	BNC connector N2: 50 ms TTL pulses
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	15-35 °C

Specifications apply for wavelengths not equal to any water absorption line.

*1: Including connectors.

*2: On the whole wavelength range.

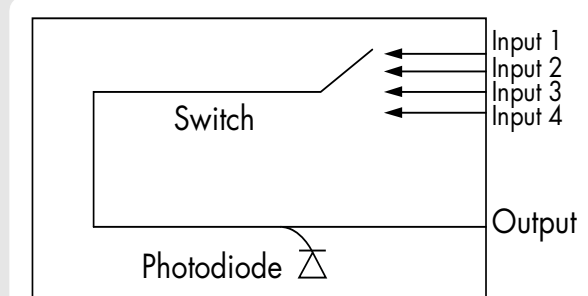
*3: At 1550 nm.

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

Various Setup Types

The OSICS SWT APC 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 and use the monitoring photodiode.
- **In an OSICS T100 & ECL driver configuration**, you can control from one to four T100 & ECL modules 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

Americas sales-am@yenista.com +1 609 423 0890

Asia Pacific sales-apac@yenista.com +65 6631 8520

China sales-china@yenista.com +86 21 6225 3573

EMEA sales-emea@yenista.com +33 2 9648 3716

Information and specifications are subject to change without notice
OSICS-SWT-APC_DS_1.0v2.0 (2014-5)