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Find the *Agilent / PXIT SW6U-OPT 32 LC* at our website: *Click HERE*

www.dc2l.biz

SW6U BROADBAND Optical Modules

DC to Light Limited

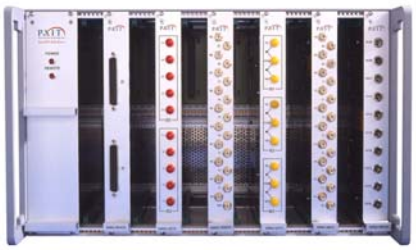
High Quality Modular Optical Switching



SW6U-OPT4

In Automated Test or Data Acquisition applications, signal routing between instrument modules and UUT or Process will almost certainly require the use of a switch. The switch allows dynamic reconfiguration of resources during the measurement process. DC2L provides a full range of modular optical switch modules in a standard 6U format with the option of custom switching topologies. The SW6U range provides a modular optical switching solution for the ATE engineer, easily reconfigured to meet changing needs. In addition, SW6U optical modules can be combined with SW6U electrical modules in the same chassis to provide electrical switching from DC to Microwave..

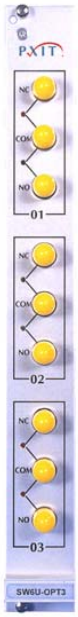
Switch Chassis



Switching modules can be housed in either a 3U high, 3 module chassis or a 6U high, 12 module chassis. The same modules fit vertically in the 6U unit and horizontally in the 3U unit. Each chassis uses the same interface and control codes. Thus, upgrading from a 3U to a 6U chassis is a seamless process.

Custom Modules

The modular architecture of the SW6U switching system provides an ideal low cost platform for custom modules. Dc2L can provide custom modules tailored to your needs at surprising value for money! Custom optical switch capability includes custom switches (moving prism, moving mirror, moving fiber and MEMS. Additional capability includes incorporation of optical couplers, filters and attenuators.



SW6U-OPT3

Precision Optical Switch Elements

DC to Light's's Optical Switch Modules are based on high reliability moving prism / mirror switches. All modules offer very low insertion loss, high isolation and flat response. A full range of mode, fiber and connector types are available.



OPT32 Module

New Instrument Modules !

SW6U will soon include multichannel Attenuator and Optical Power Measurement Modules. See our website or local representative for details.

Software

Commands Command strings are easy to understand. For instance to close relay 01 in the module at slot 3 the command is "3:CL:$01".

info@dc2l.biz

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Technical Specifications

Operating Wavelengths	:	1310 / 1550 nM, C-Band Single Mode 850 / 1300 nM Multimode
Insertion Loss	:	1dB (typical) <1.6dB (max)
Return Loss	:	>50dB
Isolation	:	>60dB
Polarisation Dependant Loss (PDL)	:	<0.05 dB
Optical Power	:	300mW (max)
Switch Operations	:	10^7
Switching Time	:	< 20mS *(for moving prism types)*

Environmental

EMC Emissions	:	EN55011A
EMC Immunity	:	EN50082-1, IEC801-2,3,4
Safety	:	EN61010-1, IEC1010
Temperature	:	0ºC - 50 ºC (operating) -25 ºC - 70 ºC (storage)
Humidity	:	90% (non condensing)

Ordering Information

SW6U-OPT2-xx-c	**Optical Module 4 SPDT switches**
SW6U-OPT3-xx-c	**Optical Module 3 SPDT switches**
SW6U-OPT4-xx-c	**Optical Module Dual 4:1 switch**
SW6U-OPT5-xx-c	**Optical Module Dual 5:1 switch**
SW6U-OPT2:4-xx-c	**Optical Switch Dual DPDT switch**
SW6U-OPT8-xx-c	**Optical Module 1x 8:1 switch**
SW6U-OPT16-xx-c	**Optical Module 1x 16:1 switch** (LC Connectors ONLY)
SW6U-OPT16A-xx-c	**Optical Module 2x 16:1 switch** (LC Connectors ONLY)
SW6U-OPT32-xx-c	**Optical Module 1x 32:1 switch** (LC Connectors ONLY)

-XX specifies mode / fiber:
-S9 : Single Mode, 9/125mM fiber
-M5 : Multimode, 50/125mM fiber
-M6 : Multimode, 62.5/125mM fiber

-C specifies connector
FC/PC, FC/APC, SC/PC,
SC/APC, LC, DIN, E2000
Other connector types available

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