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SW6U BROADBAND Modular Switching

DC to Light Limited

www.dc2l.biz

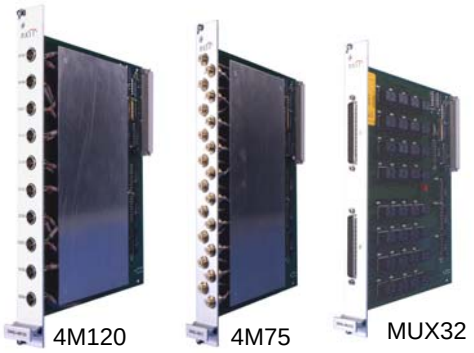
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Broadband Platform

The SW6U Broadband Switching Platform comprises Dc2L's range of DC, RF, and Optical Switch. The Broadband controller provides full platform functionality under manual control or via computer interface. GPIB bus, Serial Port (RS232) and TCP/IP network interfaces are available. Switching modules are housed in a 6U high chassis which can accomodate up to 12 modules. A compact 3U Contoller / Mainframe which can accommodate up to three switch modules will be available shortly.

High Quality Modular Switching - DC to Lightwave

In Automated Test or Data Acquisition applications, signal routing between instruments and UUT or process will almost certainly require the use of a switch. The switch allows dynamic reconfiguration of resources during the measurement process. SW6U Switch Modules provide a full range of switching capabilities from DC and High Voltage LF to 1000Mhz RF, Microwave and Lightwave. The SW6U range provides a *modular switching solution* for the ATE engineer, easily reconfigured to meet changing needs.



Custom Switching

The modular architecture of the SW6U switching system provides an ideal low cost platform for custom modules. PXIT can provide custom modules tailored to your needs at surprising value for money !





Software Control

Switch control is achieved by means of easily understood command strings. For instance to close Relay 01 in the module at Slot 3 the command is "3:CL:$01".

SW6U – SWITCH Product Summary

SYSTEM

SW6U-CHAS	**PXIT 6U Switch Chassis** *Takes up to twelve 6U 6HP Switch Cards, requires SW6U-CTRL*
SW6U-CTRL	**PXIT IEEE-488 Switch Control Module**

GENERAL PURPOSE

SW6U-ACT32	**Actuator Module - 32 Channel** *100V 2A Form C Contacts. 2 x 62 Way High Density connectors*
SW6U-MUX32	**Mux Module - 32 Channel** 32 Channel 2 Pole Mux 250V / 2A, *two 37 Way D-Type Connectors*
SW6U-RLY32	**Relay Driver Module - 32 Channel** *250mA / 30V Open Collector O/P's , two 37 way D-type connectors*
SW6U-16x4	**Matrix Module - 16 x 4** *Two pole contacts 250V, 2A, 37 Way D-Type Connectors*

RF SWITCHING

SW6U-2M75	**RF Multiplexer Module 2:1 - 75Ω** *Six 2:1 Switches, 1000MHz, Type 43 Connectors.*
SW6U-4M75	**RF Multiplexer Module 4:1 - 75Ω** *Four 4:1 Switches, 600MHz, Type 43 Connectors.*
SW6U-TRIB75	**Communications Tributary Switch Module - 75Ω** *2M/B, 8 Channel RX / TX Mux with daisy chain.*
SW6U-TRIB75-16	**Communications Tributary Switch Module - 75Ω** *E1-E3, DS1-DS3, 16 Channell Mux with daisy chain & loopback.*
SW6U-4M50	**RF Multiplexer Module 4:1 - 50Ω** *Four 4:1 Switches, 600MHz, SMB Connectors.*
SW6U-4M120	**120 Ohm RF Multiplexer Module** *Four 4:1 Switches, 50MHz*
SW6U-TRIB120	**2M/Bit Tributary Switch Module** *8 Channel RX / TX Mux with daisy chain , 120 Ohm balanced.*
SW60-TRIB120-16	**DS1/E1 Tributary Switch Module - 120Ω balanc** *16 Channell RX/TX Mux with daisy chain & loopback.*
SW6U-SP4T-2	**4:1 Co-Axial Switch 18GHz 50 Ohms** *Dual 4:1 Switch - 2 slot module, SMA connectors*
SW6U-SP4T-4	**4:1 Co-Axial Switch 18GHz 50 Ohms** *Quad 4:1 Switch - 2 slot module, SMA connectors*
SW6U-SP2T-4	**Quad 2:1 Co-axial Switch 22GHz 50 Ohms** *Quad 2:1 Switch Module SMA Connectors*

OPTICAL

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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Doc ID: Broadband Shortform R4.0

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