PTS-FOSW

Fiber Optic Switch Modules

Key Features

- Fast switching times with high repeatability
- Ideal for testing of multi-port fiber optic components
- Wide variety available...1x2, 2x2, 1x4,
 - 1x8, 1x16
- Select switches with SM or MM fibers
- Variety of fiber connector styles available



The PTS-FOSW Fiber Optic Switch Modules feature fast switching times, high

repeatability and low polarization dependent

loss (PDL). These switches are optically passive which make them bi-directional **The** PTS-FOSW modules are ideal for teasissparent to bit rates or data formats. multiple passive fiber optic devices or multi-

port devices with a single light source and a

single optical meter. Components or

Remote switch control with a PC enlastementsmateral less the selectively sequences, used in bypassed.

long term burn-in and environmental testing.

The switch module is offered in a wide variety of standard port configurations ...

1x2, 2x2, 1x4, 1x8 and 1x16...allowing the user to choose the appropriate

module for the specific task at hand. Various fiber optic connector **Specifications**

available.

Accessories

Please see the Fiber Optics and Accessories Section for fiber optic patchcords, adaptors, and many

moteragessociasethator vanobe used

withighers banned out to 2) Without connectors.

- 3) Optimum value after 1 hour
- warm-up.
 4) Only IS type available.
- 5) Multimode 1xNÎs do not have APC connector offering.
- 6) 1x16 is double-wide.

Switch Type	1x2 / 2x2		1xN (N = 4,8,16) ⁶⁾		
	Тур.	Max.	Тур.	Max.	
Wavelength (nm)	1270–1630 (SM or MM) or 750–940 (MM only)				
Insertion Loss (dB)(SM)	0.61.20.40.9				
Return Loss (dB)	60 >55		60	>55	
Polarization Dependent Loss (PDL) (dB) (PDL)	0.06	0.1	0.02	0.05	
Repeatability, Sequential (dB)	±0.03	±0.05	±0.005	±0.02	
Repeatability, Random (dB)			±0.01	±0.05	
Isolation/Crosstalk (dB)	-65	-60	-90	-80 dB	
Switching Time, One Channel (ms)	5	8	75		
Switching Time, Additional Channels (ms)			15		
Maximum Input Power (mW)		300		300 mW	
Fiber Type	62.5/125 μm MMF or 9/125 μm SMF				
Dimensions (H x W x D) [in. (cm)]	5.23 (13.3) x 1.39 (3.5) x 9.09 (23.1)				
Weight [lb (kg)]	1.75 (0.8)				
Operating Temperature	0°C to 40°C				
Storage Temperature	-20°C to 60°C				

Ordering Information

PTS-FOSW-

Switch		— Connector
Type		Style
12=1x2	Fiber Type and Wavelength	25=ST/PC
22=2x2	Range	45=FC/PC
14=1x4	IS=9/125 SMF 1270-1630 nm	55=FC/APC
18=1x8	IM=62.5/125 MMF 1270-1630	65=SC/PC

When ordering a Fiber Optic Switch Module, please specify the

following Model number:

Order example: PTS-FOSW-14IS55

1x4 Fiber Optic Switch Module with 9/125 SMF that operates at 1270–1630 nm with FC/APC

connectors

Newport