

New Product Announcement!

Xtra Long Life 100 million cycles

USB RF-SPDT Switch

USB-1SPDT-A18

50Ω DC to 18GHz

The Big Deal

- Capable of 100 million cycles
- Wide frequency (DC to 18GHz)
- High power, 10W
- SPDT electromechanical, absorptive, RF switch (Isolation 85 dB typ.)
- USB HID device, includes control software with a GUI and an API DLL com object compatible with 32/64 Bit operating systems



Case Style: LM1580



Installation CD with Software included

Pricing: **\$385.00** (QTY 1-9)

Product Overview

Mini Circuits' USB-1SPDT-A18 is a general purpose USB controlled RF switch box containing an electro-mechanical SPDT, absorptive, failsafe RF switch constructed in break-before-make configuration and powered by +24V_{DC} with a switching time of 25 mSec typical. The RF switch can be set remotely using the supplied GUI program, or programmed by the user using the included API DLL com object. The RF switch operates over a wide frequency band from DC to 18GHz has low insertion loss (0.2 dB typical) and high isolation (85dB typical) making it perfectly suitable for a wide variety of RF applications.

The USB-1SPDT-A18 is constructed in a plastic case (size of 4.26" X 6.08" X 2.25") with 3 SMA(F) connectors (IN, J1, J2), a 2.1mm DC socket, and a USB type B port. The model is supplied along with a CD containing a graphical user interface program featuring an API DLL com object. Also included is a 2.7ft. USB cable, and a power adapter suitable for both US and EU systems. Longer USB cables are available as additional options.

Key Features

Feature	Advantages
USB HID (Human Interface Device)	Plug-and-Play (no need to install a driver for the device).
RF SPDT Electromechanical switch	Wideband (DC to 18GHz) with low insertion loss (0.2 dB typ.), very high isolation (85dB typ.), and high power rating (10W cold switching).
24V _{DC} Operating voltage	The USB-1SPDT-A18 requires 24V/500mA to power the RF switches, supplied from the included power adapter.
32/64 Bit operating systems	Compatible with Windows® and Linux® operating systems using 32 and 64 bit architecture.
Software CD, USB cable and 24V _{DC} Power adapter included	A CD containing a programming manual for Linux® and Windows® operating systems (32 and 64 bit systems) and a Windows® GUI program containing an API DLL com object is included with the USB-1SPDT-A18. A 2.7ft. USB cable and a power adapter with both US and EU connectors are also included.



For detailed performance specs & shopping online see web site

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IF/RF MICROWAVE COMPONENTS

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp. Page 1