## New Product Announcement!

*Xtra* *Long Life 100 million cycles*

# USB RF-SPDT Switch       **USB-1SPDT-A18**

$50\Omega$    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 programing 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. |

**Mini-Circuits**®
**ISO 9001  ISO 14001  AS 9100** *CERTIFIED*

*For detailed performance specs & shopping online see web site*

*IF/RF MICROWAVE COMPONENTS*