

New Product Announcement!

Xtra Long Life 100 million cycles

USB RF-SPDT Switch

USB-3SPDT-A18

50Ω DC to 18GHz

The Big Deal

- Capable of 100 million cycles
- Wide frequency (DC to 18GHz)
- High power, 10W
- 3 SPDT electromechanical, absorptive, RF switches (Isolation 85 dB typ.) configurable into a SP4T switch
- USB HID device, includes control software with an API DLL com object compatible with 32/64 Bit operating systems



Case Style: LM1625



Installation CD with Software included

Product Overview

Pricing: \$980.00 (QTY 1-9)

Mini Circuits' USB-3SPDT-A18 is a general purpose USB controlled RF switch box containing three electro-mechanical SPDT, absorptive failsafe RF switches constructed in break-before-make configuration and powered by +24V_{DC} with a switching time of 25 mSec typical. The three switches can be set up as: three independent SPDT switches, one SPDT and one SP3T switch, a single SP4T switch, or other configurations (see page 6 for details). The RF switches can be operated in all these configurations remotely using the supplied GUI program, or programmed by the user using the included API DLL com object. The RF switches operate over a wide frequency band from DC to 18GHz, have low insertion loss (0.2 dB typical) and high isolation (85dB typical) making the switch box perfectly suitable for a wide variety of RF applications.

The USB-3SPDT-A18 is constructed in a plastic case (size of 4.26" X 6.08" X 2.25") with 9 SMA(F) connectors (IN, J1, J2 for each switch), 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, a power adapter suitable for both US and EU systems and 2 SMA Male/ SMA Male coaxial semiflex cables for configuring the switch box. Longer USB cables are available as an additional option.

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-3SPDT-A18 requires 24V/750mA 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, 24V _{DC} Power adapter, and RF cables 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-3SPDT-A18. A 2.7ft. USB cable, a power adapter with both US and EU connectors, and a set of two coaxial semiflex cables are also included.



For detailed performance specs & shopping online see web site

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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.