# Technical Data Sheet

SP8T Terminated Ramses SMA 26.5GHz Normally open Indicators
5Vdc USB interface

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|---|---|---|---|

## RF CHARACTERISTICS

Number of ways : **8**
Frequency range : **0 - 26.5 GHz**
Impedance : **50 Ohms**

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 16 | 16 - 18 | 18 - 22 | 22 - 26.5 |
|---|---|---|---|---|---|---|---|
| VSWR max | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 2.00 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.55 dB | 0.60 dB | 0.70 dB | 1.10 dB |
| Isolation min | 80 dB | 70 dB | 60 dB | 60 dB | 60 dB | 60 dB | 55 dB |
| Average power (*) | 240 W | 150 W | 120 W | 110 W | 100 W | 90 W | 40 W |

TERMINATION IMPEDANCE : **50 Ohms**
TERM. AVG. POWER AT 25° C : **1 W per termination / 3 W total power**

## ELECTRICAL CHARACTERISTICS

Actuator : **NORMALLY OPEN**
Nominal current ** : **420 mA**
Actuator voltage (Vcc) : **5V / NEGATIVE COMMON**
Terminals : **Mini-USB socket (with 1 meter USB cable)**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**
Life : **2 million cycles per position**
Switching Time*** : **< 15 ms**
Construction : **Splashproof**
Weight : **< 250 g**

## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-25°C to +75°C**
Storage temperature range : **-55°C to +85°C**

## SYSTEM REQUIREMENTS

Compatible with Windows® 7 up to 10 operating systems using 32 and 64 bit architecture

(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)

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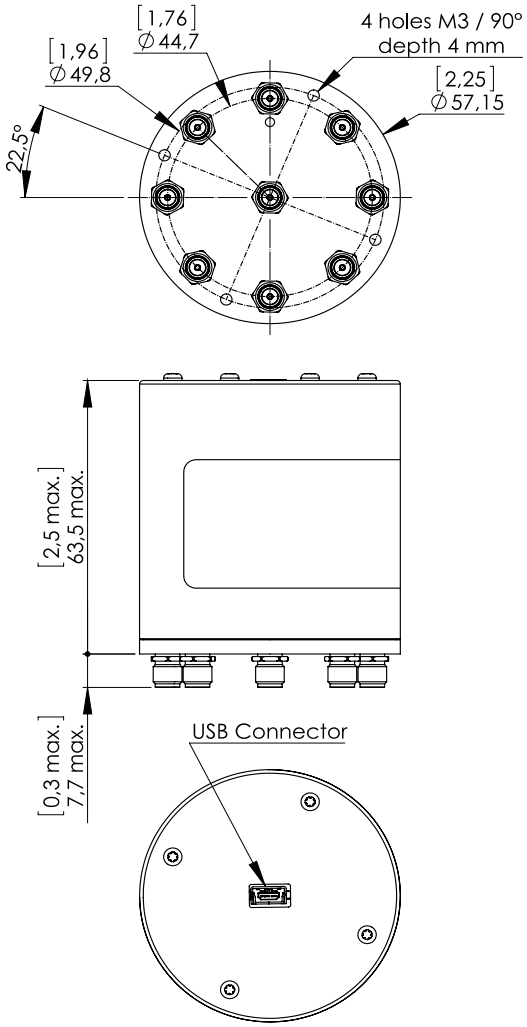
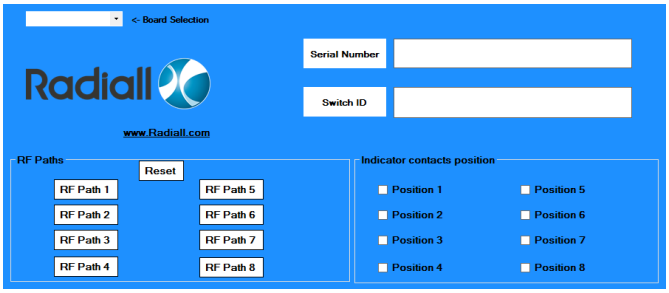
DRAWING



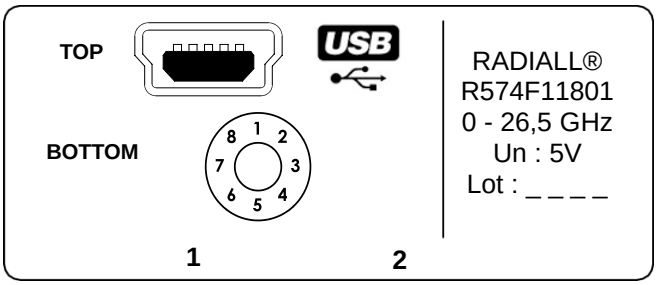

General tolerances : ±0.5 mm [0.02 in]

Graphical User Interface




Apart from using the provided GUI interface USB switch can be also controlled via other commonly used software programming platforms such as Visual Basic, C#, C++, LabVIEW™ and VEE.

LABEL




SCHEMATIC DIAGRAM