## **Technical Data Sheet**



SP6T Ramses SMA2.9 40GHz Normally open Indicators 5Vdc USB interface

PAGE 1/2 ISSUE 15-03-18 SERIE : SPnT PART NUMBER : R573811601

## RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.20	1.35	1.45	1.70	1.90
Insertion loss max (dB)	0.3 + 0.015 x frequency (GHz)				
Isolation min	80 dB	70 dB	65 dB	60 dB	55 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W

#### **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 2.9 female per MIL-C 39012
Life : 2 million cycles per position

Switching Time\*\*\* : < 15 msConstruction : 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)



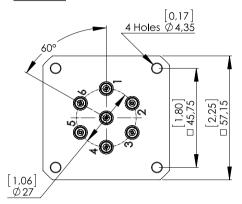
# **Technical Data Sheet**

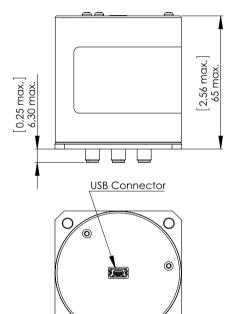


SP6T Ramses SMA2.9 40GHz Normally open Indicators 5Vdc USB interface

PAGE 2/2 ISSUE 15-03-18 SERIE : SPnT PART NUMBER : R573811601

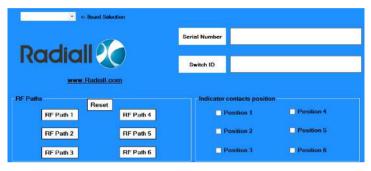
#### **DRAWING**





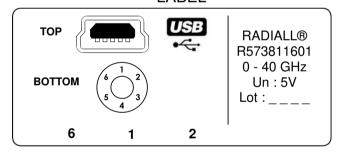
General tolerances :  $\pm 0.5$  mm [0.02 in]

# Graphical User Interface

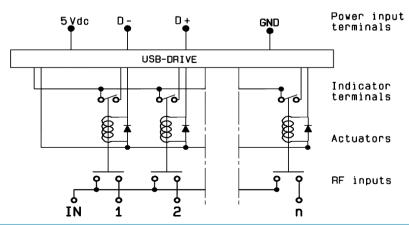


Apart from using the provided GUI interface USB switch can be also controlled via other commonly used software programming platforms such as Visual Basic, C#, C++, LabVIEW<sup>TM</sup> and VEE.

# LABEL



## SCHEMATIC DIAGRAM



This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.