# **Technical Data Sheet**



SP8T Terminated Ramses SMA 18GHz Normally open 28Vdc Positive common Diodes D-sub connector

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R574403845

#### RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 16	16 - 18
VSWR max	1,20	1,30	1,40	1,50	1,60
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.55 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	110 W	100 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 \*\* : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON
Terminals : 25 pins D-SUB male connector

## MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
Life : 2 million cycles per position

Switching Time\*\*\* : < 15 msConstruction : Splashproof
Weight : < 280 g

## **ENVIRONMENTAL CHARACTERISTICS**

Operating temperature range : -40°C to +85°C Storage temperature range : -55°C to +85°C

(\* Average power at 25°C per RF Path)

(\*\* At 25° C ±10%)

(\*\*\* Nominal voltage; 25° C)



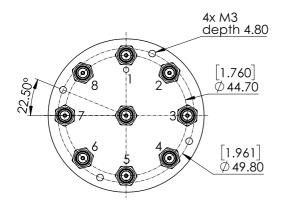




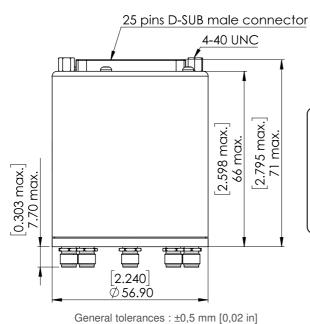
SP8T Terminated Ramses SMA 18GHz Normally open 28Vdc Positive common Diodes D-sub connector

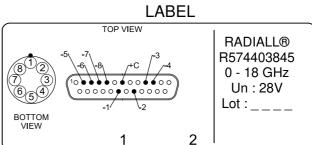
PAGE 2/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R574403845

## **DRAWING**



Voltage	RF Continuity	
+C -1	IN ↔ 1	
+C -2	$IN \leftrightarrow 2$	
+C -3	$IN \leftrightarrow 3$	
+C -4	$IN \leftrightarrow 4$	
+C -5	$IN \leftrightarrow 5$	
+C -6	$IN \leftrightarrow 6$	
+C -7	$IN \leftrightarrow 7$	
+C -8	IN ↔ 8	

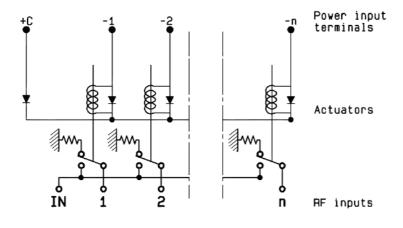






#### -

# 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.