## **Technical Data Sheet**



SP8T Terminated Ramses SMA 3GHz Latching Self-cut-off Auto-reset 28Vdc BCD TTL Diodes D-sub connector

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R574383885

### RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3
VSWR max	1,20
Insertion loss max	0.20 dB
Isolation min	80 dB
Average power (*)	240 W

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 375 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

Terminals : 25 pins D-SUB male connector

Self cut-off time : 40 ms < CT < 120 ms

BCD inputs (E) - High level : 3.5 to 5.5 V / 800 $\mu$ A at 5.5 V

- Low level : 0 to 1.5 V / 20 $\mu$ A at 0.8 V

### MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 50 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)



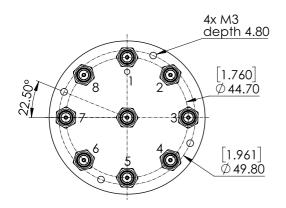




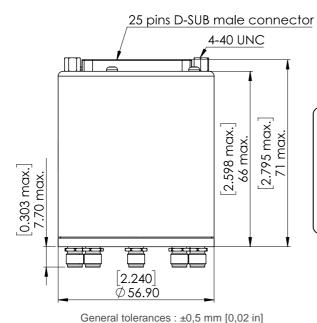
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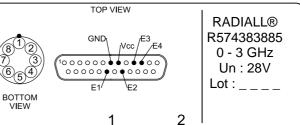
### **DRAWING**



BCD TRUTH TABLE				
E4	E3	E2	E1	RF continuity
0	0	0	0	All ports open (Forced Reset)
0	0	0	1	$IN \leftrightarrow 1$
0	0	1	0	$IN \leftrightarrow 2$
0	0	1	1	$IN \leftrightarrow 3$
0	1	0	0	$IN \leftrightarrow 4$
0	1	0	1	$IN \leftrightarrow 5$
0	1	1	0	IN ↔ 6
0	1	1	1	$IN \leftrightarrow 7$
1	0	0	0	$IN \leftrightarrow 8$



# LABEL





**SCHEMATIC DIAGRAM** 

# CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE Actuators

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RF inputs