# **Technical Data Sheet**



SP8T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 12Vdc

Diodes D-sub connector

SERIE : SPnT PART NUMBER : R573482805

### RF CHARACTERISTICS

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Number of ways : 8

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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

### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 960 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON

Terminals : 25 pins D-SUB male connector

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

### 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)



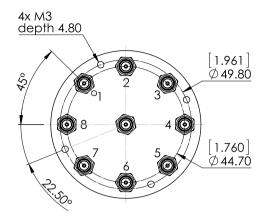




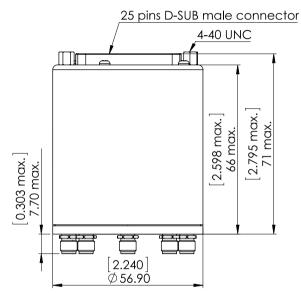
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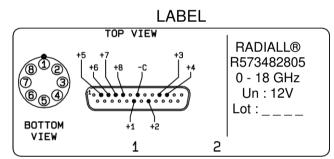
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#### **DRAWING**



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

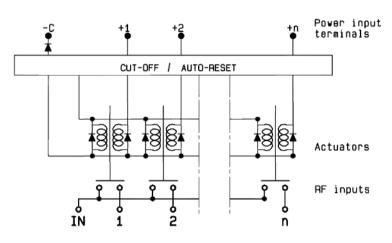






## General tolerances: ±0,5 mm [0,02 in]

## SCHEMATIC DIAGRAM



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