## **Technical Data Sheet**



SP6T Ramses SMA 18GHz Latching Self-cut-off 28Vdc TTL Diodes D-sub connector

PAGE 1/2 ISSUE 15-12-17 SERIE : SPnT PART NUMBER : R573443625

### RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING

Nominal current \*\* : 125 mA / RESET : 750 mA \*\*\*\*

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

Terminals : 25 pins D-SUB male connector

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

TTL inputs (E) - High level : **2.2 to 5.5 V / 800µA at 5.5 V** 

- Low level : 0 to 0.8 V / 20μA at 0.8 V

### MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 5 million cycles per position

Switching Time\*\*\* : < 15 ms

Construction : Splashproof

Weight : < 220 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)

(\*\*\*\* Reset : supply voltage time 1sec. max. / duty cycle 10%)



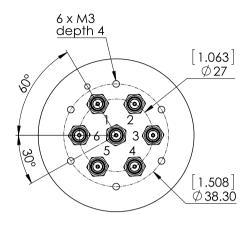
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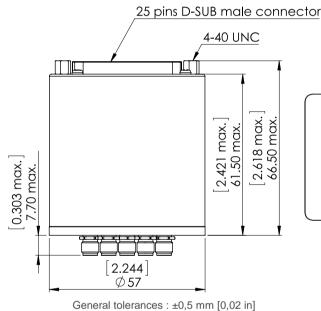
SP6T Ramses SMA 18GHz Latching Self-cut-off 28Vdc TTL Diodes D-sub connector

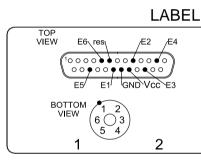
PAGE 2/2 ISSUE 15-12-17 SERIE : SPnT PART NUMBER : R573443625

#### **DRAWING**



TTL input	RF Continuity	
RESET = 1	All ports open	
E1 = 1	$IN \leftrightarrow 1$	
E2 = 1	$IN \leftrightarrow 2$	
E3 = 1	$IN \leftrightarrow 3$	
E4 = 1	IN ↔ 4	
E5 = 1	IN ↔ 5	
E6 = 1	$IN \leftrightarrow 6$	

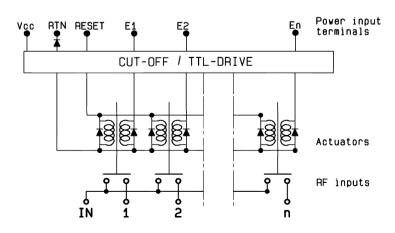




RADIALL® R573443625 0 - 18 GHz Un : 28V Lot : \_\_\_\_



## SCHEMATIC DIAGRAM



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