# **Technical Data Sheet**



SP10T Ramses SMA 18GHz Latching 28Vdc Positive common D-sub connector

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#### RF CHARACTERISTICS

Number of ways : 10

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15.5	15.5 - 18
VSWR max	1.20	1.30	1.40	1.50	1.70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	55 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W

## **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING

Nominal current \*\* : 125 mA / RESET : 1250 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 : < 360 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%)



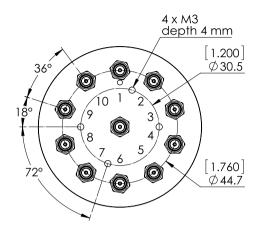
# **Technical Data Sheet**



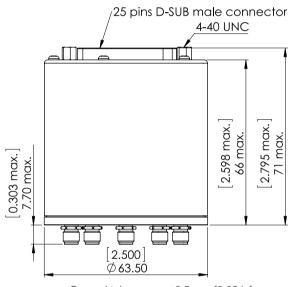
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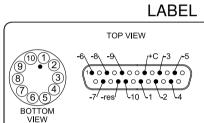
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#### **DRAWING**



Voltage	RF Continuity		
+C -RESET	All ports open		
+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	$IN \leftrightarrow 6$		
+C -7	$IN \leftrightarrow 7$		
+C -8	IN ↔ 8		
+C -9	IN ↔ 9		
+C -10	IN ↔ 10		



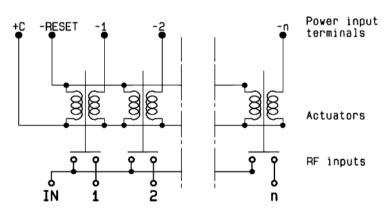


RADIALL® R573423015 0 - 18 GHz Un : 28V Lot : \_\_\_\_

10 1 2

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

### SCHEMATIC DIAGRAM



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