# **Technical Data Sheet**



SP12T Ramses SMA 12.4GHz Latching 28Vdc Positive common D-sub connector

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### **RF CHARACTERISTICS**

Number of ways : 12

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1.20	1.40	1.60
Insertion loss max	0.20 dB	0.40 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	240 W	150 W	120 W

## **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING

Nominal current \*\* : 125 mA / RESET : 1500 mA \*\*\*\*

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON

Terminals : 44 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 : < 400 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%)



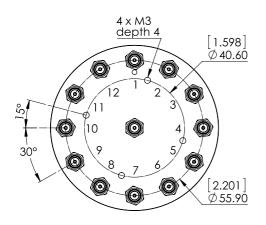
# **Technical Data Sheet**



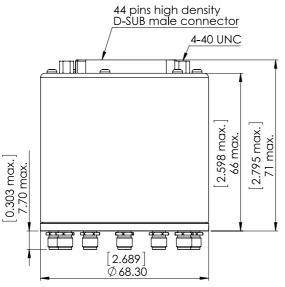
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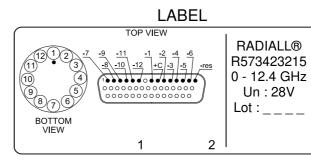
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### **DRAWING**



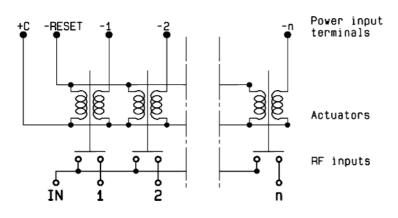
Voltage	RF Continuity	
+C -RESET	All ports open	
+C -1	$IN \leftrightarrow 1$	
+C -2	$IN \leftrightarrow 2$	
+C -3	$IN \leftrightarrow 3$	
+C -4	$IN \leftrightarrow 4$	
+C -5	IN ↔ 5	
+C -6	$IN \leftrightarrow 6$	
+C -7	$IN \leftrightarrow 7$	
+C -8	IN ↔ 8	
+C -9	IN ↔ 9	
+C -10	IN ↔ 10	
+C -11	IN ↔ 11	
+C -12	IN ↔ 12	





General tolerances: ±0,5 mm [0,02 in]

## SCHEMATIC DIAGRAM



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