# **Technical Data Sheet**



SP8T Ramses SMA 18GHz Latching 28Vdc Pins Terminals

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#### RF CHARACTERISTICS

Number of ways : 8

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 \*\* : 125 mA / RESET : 1000 mA \*\*\*\*

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

### MECHANICAL CHARACTERISTICS

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

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

Construction : 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)

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



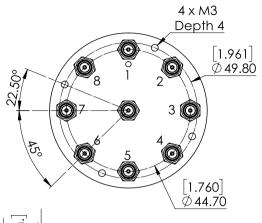
# **Technical Data Sheet**



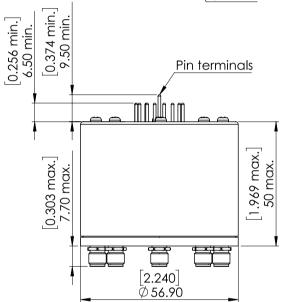
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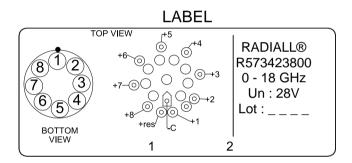
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#### **DRAWING**



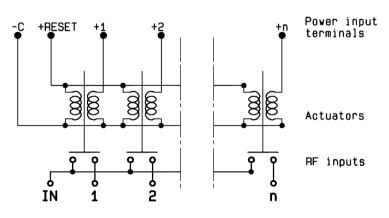
Voltage	RF Continuity		
-C +RESET	All ports open		
-C +1	IN ↔ 1		
-C +2	$IN \leftrightarrow 2$		
-C +3	$IN \leftrightarrow 3$		
-C +4	IN ↔ 4		
-C +5	IN ↔ 5		
-C +6	IN ↔ 6		
-C +7	IN ↔ 7		
-C +8	IN ↔ 8		





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

### SCHEMATIC DIAGRAM



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