## **Technical Data Sheet**



SP8T Ramses SMA 18GHz Latching 28Vdc Positive common Diodes D-sub connector

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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) / 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 : < 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%)



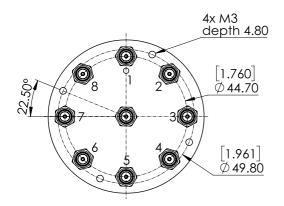
## **Technical Data Sheet**



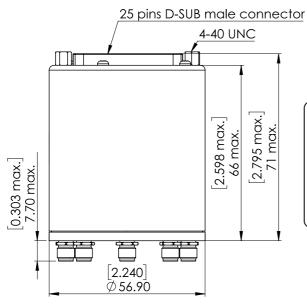
SP8T Ramses SMA 18GHz Latching 28Vdc Positive common Diodes D-sub connector

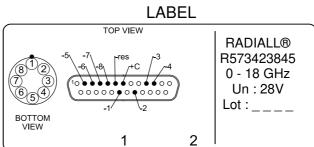
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#### **DRAWING**



| 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 ↔ 6                 |  |  |
| +C -7     | $IN \leftrightarrow 7$ |  |  |
| +C -8     | $IN \leftrightarrow 8$ |  |  |

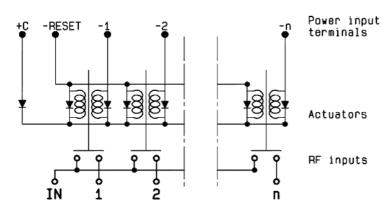






# General tolerances : ±0,5 mm [0,02 in]

### SCHEMATIC DIAGRAM



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