# **Technical Data Sheet**



SP6T Ramses SMA 18GHz Latching 28Vdc D-sub connector

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### **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) / NEGATIVE COMMON

Terminals : 25 pins D-SUB male connector

### 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%)



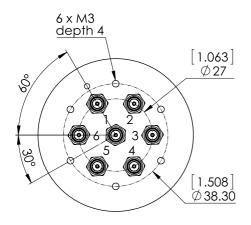
# **Technical Data Sheet**



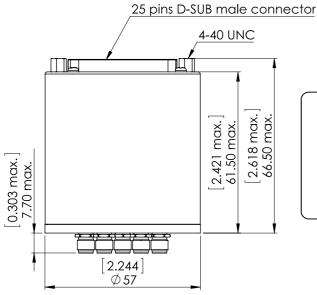
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#### **DRAWING**



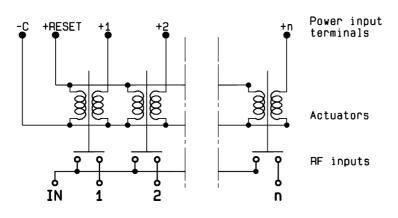
| Voltage   | RF Continuity          |  |
|-----------|------------------------|--|
| -C +RESET | All ports open         |  |
| -C +1     | $IN \leftrightarrow 1$ |  |
| -C +2     | $IN \leftrightarrow 2$ |  |
| -C +3     | $IN \leftrightarrow 3$ |  |
| -C +4     | $IN \leftrightarrow 4$ |  |
| -C +5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



### 

General tolerances: ±0,5 mm [0,02 in]

## SCHEMATIC DIAGRAM



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