## **Technical Data Sheet**



SP6T Ramses 1.85mm 67GHz Normally open 28Vdc D-sub connector

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#### RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 67 GHz Impedance : 50 Ohms

| Frequency (GHz)    | DC - 6  | 6 - 12.4 | 12.4 - 18 | 18 - 26.5 | 26.5 - 40 | 40 - 50 | 50 - 65 | 65 - 67 |
|--------------------|---------|----------|-----------|-----------|-----------|---------|---------|---------|
| VSWR max           | 1.30    | 1.40     | 1.50      | 1.70      | 1.70      | 1.90    | 1.90    | 1.90    |
| Insertion loss max | 0.30 dB | 0.40 dB  | 0.50 dB   | 0.70 dB   | 0.90 dB   | 1.20 dB | 1.40 dB | 1.70 dB |
| Isolation min      | 70 dB   | 60 dB    | 60 dB     | 60 dB     | 60 dB     | 60 dB   | 60 dB   | 60 dB   |
| Average power (*)  | 40 W    | 30 W     | 25 W      | 15 W      | 5 W       | 3 W     | 1 W     | 1 W     |

#### **ELECTRICAL CHARACTERISTICS**

Actuator : NORMALLY OPEN

Nominal current \*\* : 102 mA

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

Terminals : 25 pins D-SUB male connector

# MECHANICAL CHARACTERISTICS

Connectors : 1.85mm female (Accoding to IEEE STD 287)

Life : 2 million cycles per position

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

Construction : Splashproof

Weight : < 220 g

## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°C
Storage temperature range : -40°C to +85°C

(\* Average power at 25°C per RF Path)

(\*\* At 25° C ±10%)

(\*\*\* Nominal voltage; 25° C)



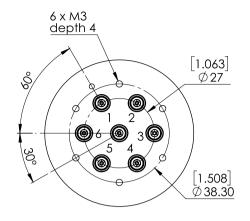
## **Technical Data Sheet**



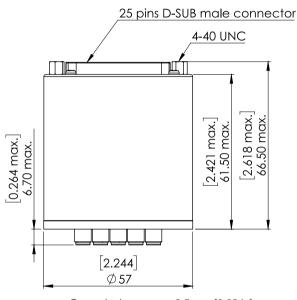
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#### **DRAWING**



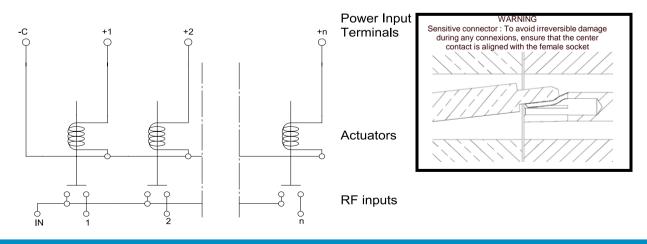
| Voltage | RF Continuity          |  |  |
|---------|------------------------|--|--|
| -C +1   | $IN \leftrightarrow 1$ |  |  |
| -C +2   | $IN \leftrightarrow 2$ |  |  |
| -C +3   | $IN \leftrightarrow 3$ |  |  |
| -C +4   | $IN \leftrightarrow 4$ |  |  |
| -C +5   | IN ↔ 5                 |  |  |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



#### 

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

### SCHEMATIC DIAGRAM



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