# **Technical Data Sheet**



SP8T Ramses SMA 26.5GHz Normally open 28Vdc TTL Diodes D-sub connector

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#### RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

| Frequency (GHz)    | DC - 3  | 3 - 8   | 8 - 12.4 | 12.4 - 16 | 16 - 18 | 18 - 22 | 22 - 26.5 |
|--------------------|---------|---------|----------|-----------|---------|---------|-----------|
| VSWR max           | 1.20    | 1.30    | 1.40     | 1.50      | 1.60    | 1.70    | 2.00      |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB  | 0.55 dB   | 0.60 dB | 0.70 dB | 1.10 dB   |
| Isolation min      | 80 dB   | 70 dB   | 60 dB    | 60 dB     | 60 dB   | 60 dB   | 55 dB     |
| Average power (*)  | 240 W   | 150 W   | 120 W    | 110 W     | 100 W   | 90 W    | 40 W      |

#### **ELECTRICAL CHARACTERISTICS**

Actuator : NORMALLY OPEN

Nominal current \*\* : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

Terminals : 25 pins D-SUB male connector TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA at 5.5 V

- Low level : 0 to 0.8 V / 20 $\mu$ A at 0.8 V

### 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)



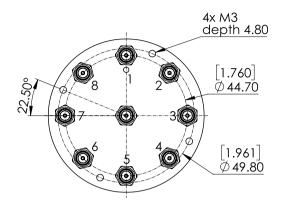
# **Technical Data Sheet**



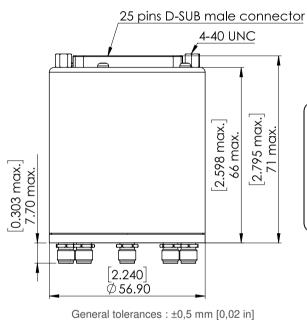
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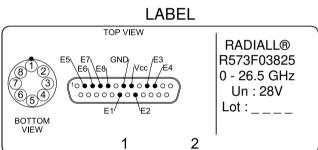
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#### **DRAWING**



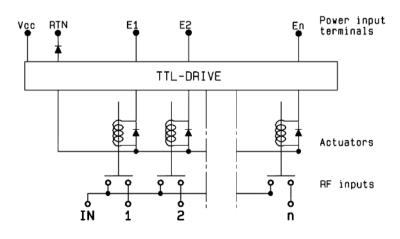
| RF Continuity          |  |  |  |
|------------------------|--|--|--|
| $IN \leftrightarrow 1$ |  |  |  |
| $IN \leftrightarrow 2$ |  |  |  |
| $IN \leftrightarrow 3$ |  |  |  |
| $IN \leftrightarrow 4$ |  |  |  |
| IN ↔ 5                 |  |  |  |
| IN ↔ 6                 |  |  |  |
| IN ↔ 7                 |  |  |  |
| $IN \leftrightarrow 8$ |  |  |  |
|                        |  |  |  |







## SCHEMATIC DIAGRAM



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