# **Technical Data Sheet**



SP8T Terminated Ramses SMA 3GHz Normally open 28Vdc TTL Diodes

D-sub connector

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### RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

| Frequency (GHz)    | DC - 3  |
|--------------------|---------|
| VSWR max           | 1.20    |
| Insertion loss max | 0.20 dB |
| Isolation min      | 80 dB   |
| Average power (*)  | 240 W   |

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

## **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 / 20µA 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**

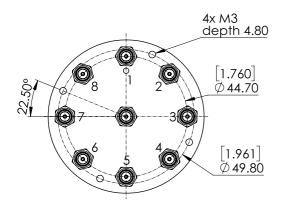


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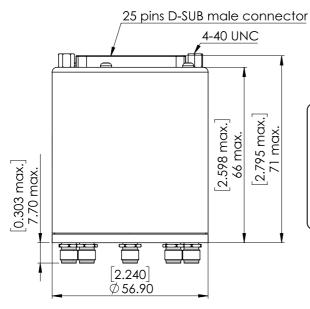
D-sub connector

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### **DRAWING**



| TTL input | RF Continuity          |
|-----------|------------------------|
| E1 = 1    | IN ↔ 1                 |
| E2 = 1    | IN ↔ 2                 |
| E3 = 1    | $IN \leftrightarrow 3$ |
| E4 = 1    | $IN \leftrightarrow 4$ |
| E5 = 1    | IN ↔ 5                 |
| E6 = 1    | IN ↔ 6                 |
| E7 = 1    | $IN \leftrightarrow 7$ |
| E8 = 1    | IN ↔ 8                 |

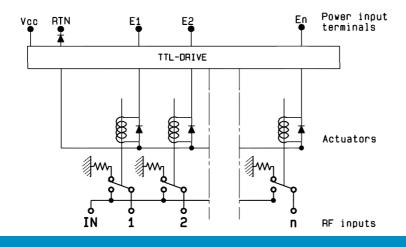


# TOP VIEW RADIALL® R574303825 0 - 3 GHz Un : 28V Lot : \_\_\_\_ 1 2



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

# SCHEMATIC DIAGRAM



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