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SERIE : SPnT

PART NUMBER : R574422425

## RF CHARACTERISTICS

Number of ways : 4  
 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     |

TERMINATION IMPEDANCE : 50 Ohms  
 TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

## ELECTRICAL CHARACTERISTICS

Actuator : LATCHING  
 Nominal current \*\* : 320 mA / RESET : 1280 mA \*\*\*\*  
 Actuator voltage (Vcc) : 12V (10.2 to 13V)  
 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 ms  
 Construction : Splashproof  
 Weight : < 250 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%)



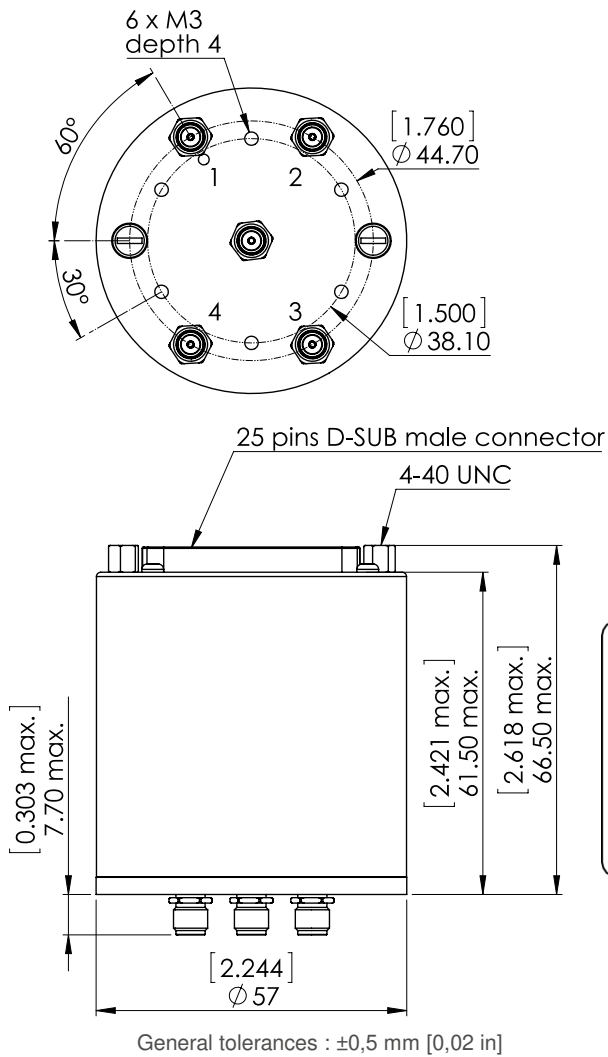
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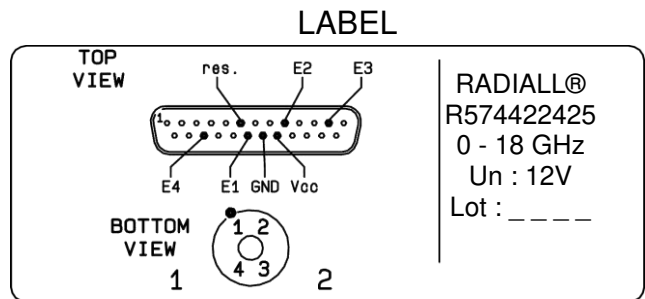
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**DRAWING**



| TTL input | RF Continuity  |
|-----------|----------------|
| RESET = 1 | All ports open |
| E1 = 1    | IN ↔ 1         |
| E2 = 1    | IN ↔ 2         |
| E3 = 1    | IN ↔ 3         |
| E4 = 1    | IN ↔ 4         |



**SCHEMATIC DIAGRAM**

