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ISSUE 11-04-17

SERIE : SPnT

PART NUMBER : R574423425

## 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 \*\* : 125 mA / RESET : 500 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 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%)



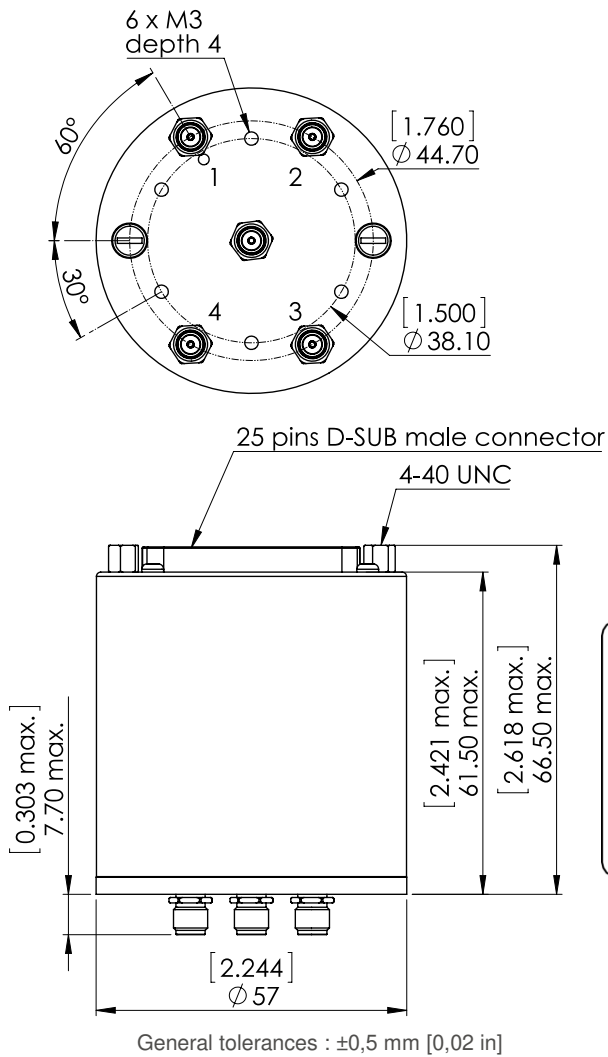
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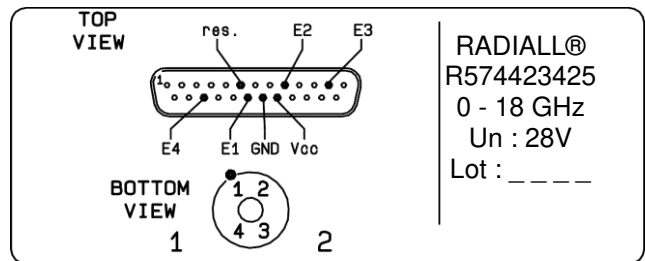
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**DRAWING**



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

**LABEL**



**SCHEMATIC DIAGRAM**

