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ISSUE **10-04-25**

SERIE : **SPnT**

PART NUMBER : **R573833445**

## RF CHARACTERISTICS

Number of ways : **4**  
Frequency range : **0 - 40 GHz**  
Impedance : **50 Ohms**

| Frequency (GHz)    | DC - 6         | 6 - 12.4       | 12.4 - 18      | 18 - 26.5      | 26.5 - 40      |
|--------------------|----------------|----------------|----------------|----------------|----------------|
| VSWR max           | <b>1.30</b>    | <b>1.40</b>    | <b>1.50</b>    | <b>1.70</b>    | <b>1.95</b>    |
| Insertion loss max | <b>0.20 dB</b> | <b>0.40 dB</b> | <b>0.50 dB</b> | <b>0.70 dB</b> | <b>1.00 dB</b> |
| Isolation min      | <b>80 dB</b>   | <b>70 dB</b>   | <b>70 dB</b>   | <b>60 dB</b>   | <b>55 dB</b>   |
| Average power (*)  | <b>40 W</b>    | <b>30 W</b>    | <b>25 W</b>    | <b>15 W</b>    | <b>5 W</b>     |

## ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**  
Nominal current \*\* : **125 mA / RESET : 500 mA \*\*\*\***  
Actuator voltage (Vcc) : **28V (24 to 30V) / POSITIVE COMMON**  
Terminals : **25 pins D-SUB male connector**  
Indicator rating : **1 W / 30 V / 100 mA**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA 2.9 female per MIL-C 39012**  
Life : **7 million cycles per position**  
Switching Time\*\*\* : **< 15 ms**  
Construction : **Splashproof**  
Weight : **< 220 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%)



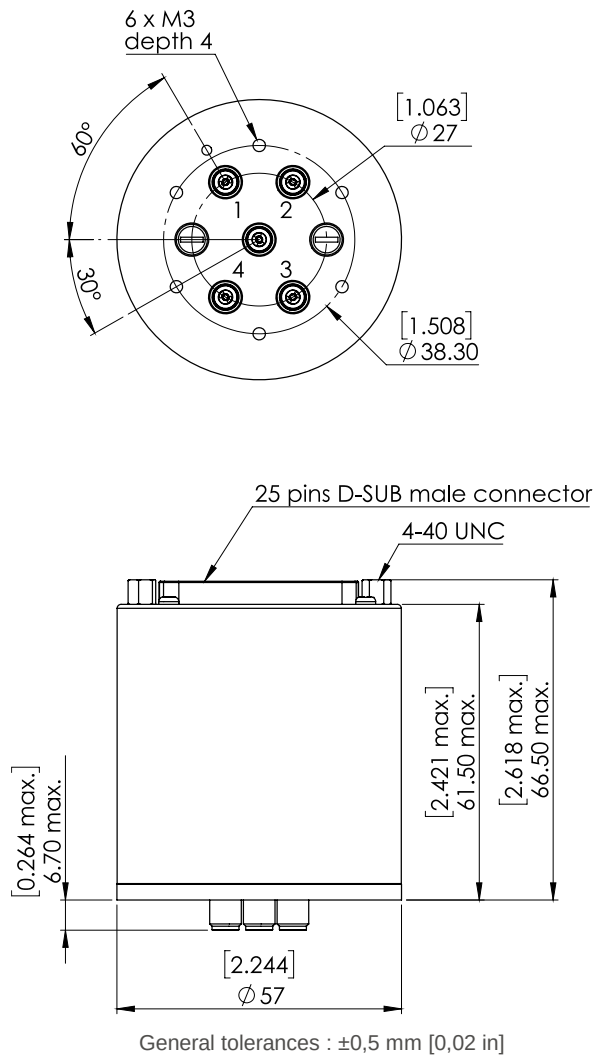
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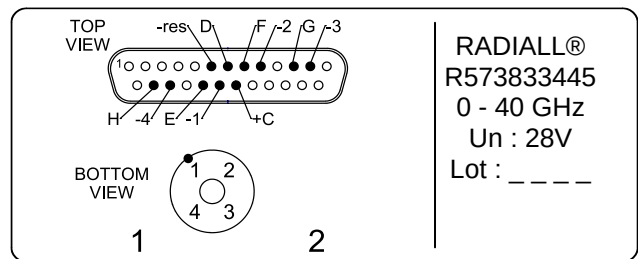
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DRAWING



| Voltage   | RF Continuity  | Ind. |
|-----------|----------------|------|
| +C -RESET | All ports open | - -  |
| +C -1     | IN ↔ 1         | D.E  |
| +C -2     | IN ↔ 2         | D.F  |
| +C -3     | IN ↔ 3         | D.G  |
| +C -4     | IN ↔ 4         | D.H  |

**LABEL**



SCHEMATIC DIAGRAM

