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ISSUE **26-07-21**

SERIE : **SPnT**

PART NUMBER : **R574483810**

## RF CHARACTERISTICS

Number of ways : **8**  
Frequency range : **0 - 18 GHz**  
Impedance : **50 Ohms**

| Frequency (GHz)    | DC - 3         | 3 - 8          | 8 - 12.4       | 12.4 - 16      | 16 - 18        |
|--------------------|----------------|----------------|----------------|----------------|----------------|
| VSWR max           | <b>1.20</b>    | <b>1.30</b>    | <b>1.40</b>    | <b>1.50</b>    | <b>1.60</b>    |
| Insertion loss max | <b>0.20 dB</b> | <b>0.30 dB</b> | <b>0.40 dB</b> | <b>0.55 dB</b> | <b>0.60 dB</b> |
| Isolation min      | <b>80 dB</b>   | <b>70 dB</b>   | <b>60 dB</b>   | <b>60 dB</b>   | <b>60 dB</b>   |
| Average power (*)  | <b>240 W</b>   | <b>150 W</b>   | <b>120 W</b>   | <b>110 W</b>   | <b>100 W</b>   |

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

## ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**  
Nominal current \*\* : **375 mA**  
Actuator voltage (Vcc) : **28V (24 to 30V) / POSITIVE COMMON**  
Terminals : **solder pins (250°C max. / 30 sec.)**  
Self cut-off time : **40 ms < CT < 120 ms**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**  
Life : **2 million cycles per position**  
Switching Time\*\*\* : **< 50 ms**  
Construction : **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)



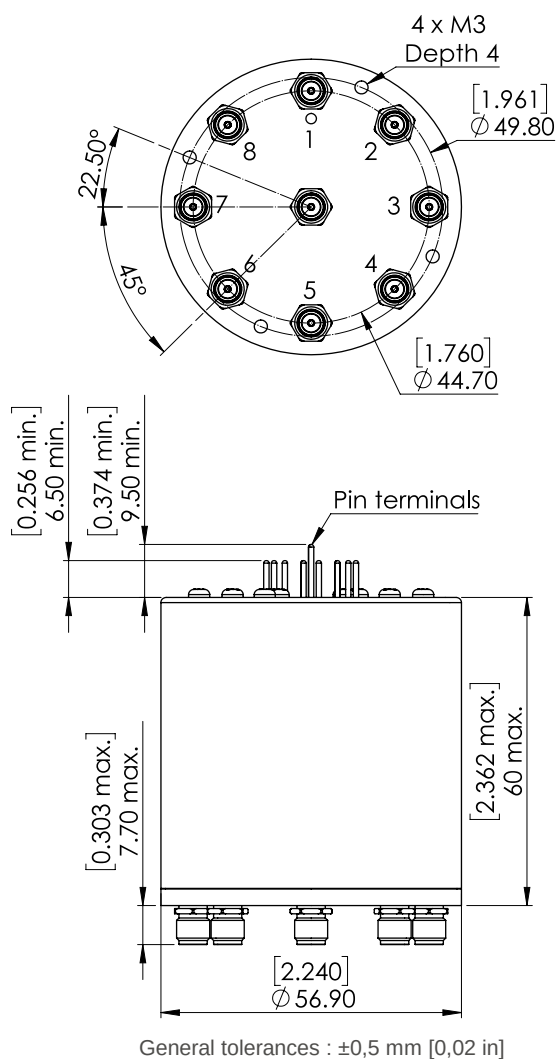
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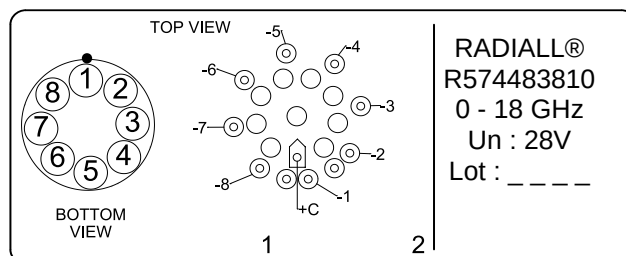
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DRAWING

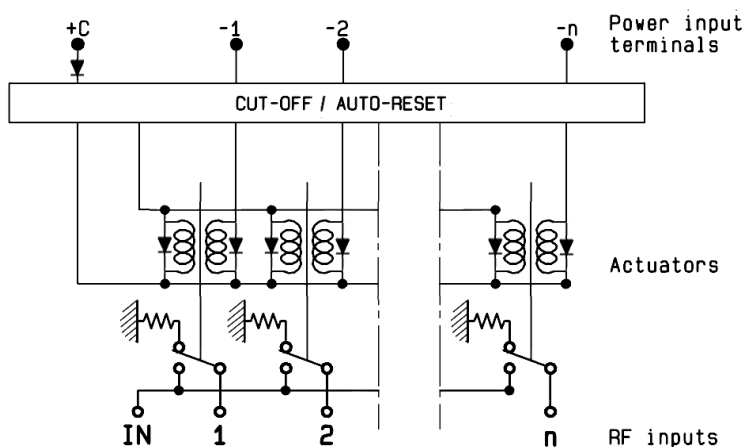


| Voltage | RF Continuity |
|---------|---------------|
| +C -1   | IN ↔ 1        |
| +C -2   | IN ↔ 2        |
| +C -3   | IN ↔ 3        |
| +C -4   | IN ↔ 4        |
| +C -5   | IN ↔ 5        |
| +C -6   | IN ↔ 6        |
| +C -7   | IN ↔ 7        |
| +C -8   | IN ↔ 8        |

**LABEL**



SCHEMATIC DIAGRAM



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