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ISSUE 16-04-20

SERIE : SPnT

PART NUMBER : R574803610

## RF CHARACTERISTICS

Number of ways : **6**  
 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>2.20</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>1.10 dB</b> |
| Isolation min      | <b>70 dB</b>   | <b>60 dB</b>   | <b>60 dB</b>   | <b>55 dB</b>   | <b>50 dB</b>   |
| Average power (*)  | <b>40 W</b>    | <b>30 W</b>    | <b>25 W</b>    | <b>15 W</b>    | <b>5 W</b>     |

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) / POSITIVE COMMON**  
 Terminals : **solder pins (250°C max. / 30 sec.)**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA 2.9 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)



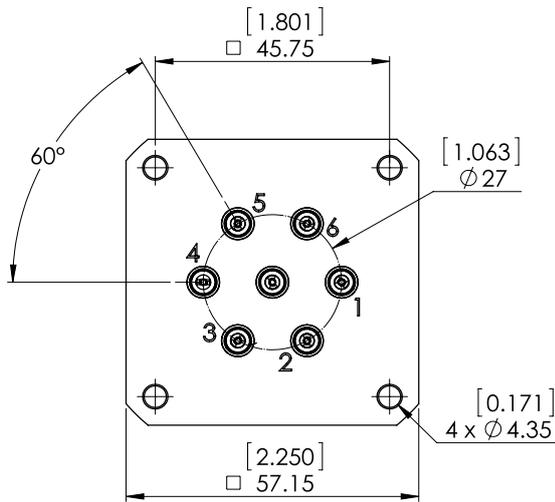
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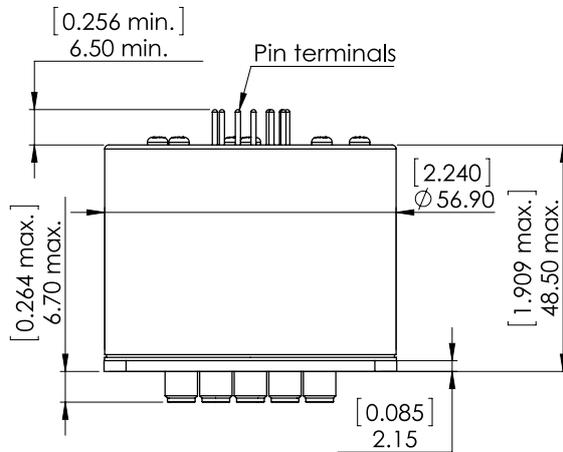
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**DRAWING**

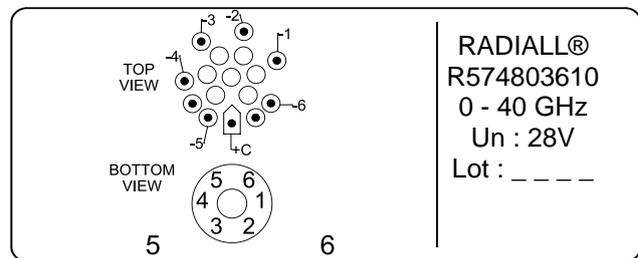


| Voltage | RF Continuity |
|---------|---------------|
| +C -1   | IN ↔ 1        |
| +C -2   | IN ↔ 2        |
| +C -3   | IN ↔ 3        |
| +C -4   | IN ↔ 4        |
| +C -5   | IN ↔ 5        |
| +C -6   | IN ↔ 6        |



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

**LABEL**



**SCHEMATIC DIAGRAM**

