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ISSUE 10-07-19

SERIE : SPnT

PART NUMBER : R574423810

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 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.55 dB | 0.60 dB |
| Isolation min | 80 dB | 70 dB | 60 dB | 60 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W | 110 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 : 1000 mA ****
Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
Life : 2 million cycles per position
Switching Time*** : < 15 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)

(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)



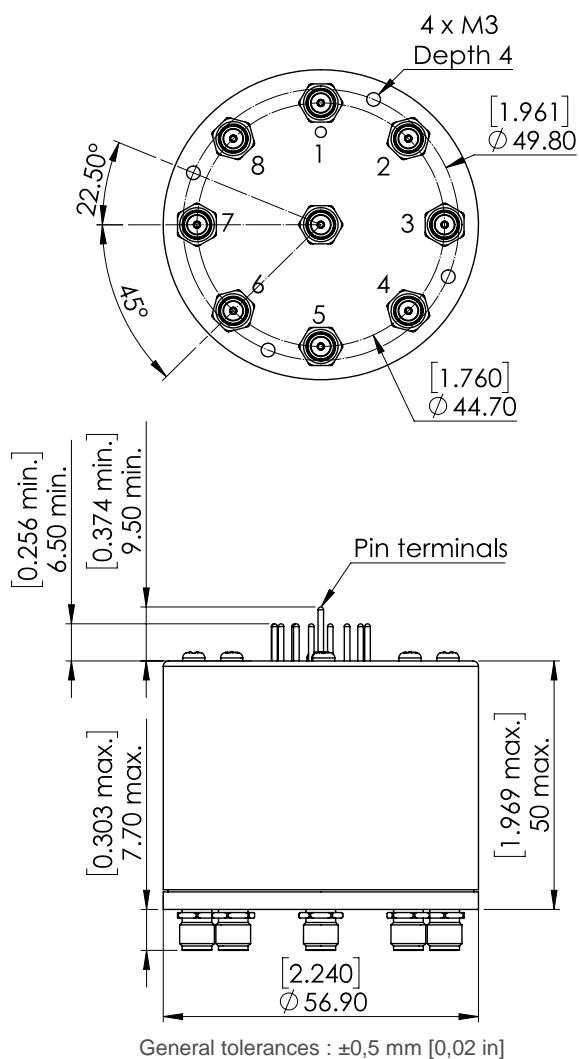
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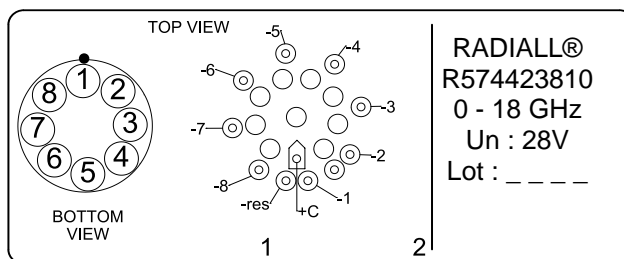
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DRAWING



| Voltage | RF Continuity |
|-----------|----------------|
| +C -RESET | All ports open |
| +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

