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ISSUE 22-03-22

SERIE : SPnT

PART NUMBER : R574882680

## 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           | 1,30    | 1,40     | 1,50      | 1,70      | 2,20      |
| Insertion loss max | 0.20 dB | 0.40 dB  | 0.50 dB   | 0.70 dB   | 1.10 dB   |
| Isolation min      | 70 dB   | 60 dB    | 60 dB     | 55 dB     | 50 dB     |
| Average power (*)  | 40 W    | 30 W     | 25 W      | 15 W      | 5 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 \*\* : 960 mA  
Actuator voltage (Vcc) : 12V (10.2 to 13V)  
Terminals : solder pins (250°C max. / 30 sec.)  
Self cut-off time : 40 ms < CT < 120 ms  
BCD inputs (E) - High level : 3.5 to 5.5 V / 800µA at 5.5 V  
- Low level : 0 to 1.5 V / 20µA at 0.8 V

## MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012  
Life : 2 million cycles per position  
Switching Time\*\*\* : < 40 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)



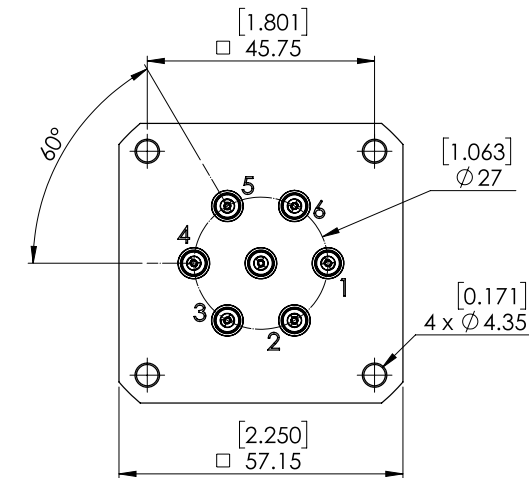
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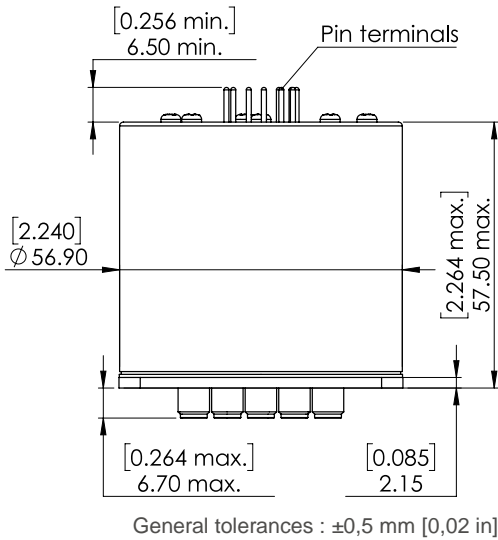
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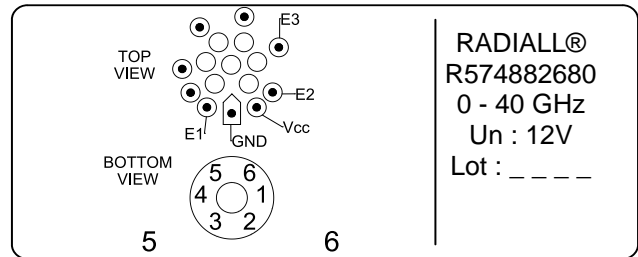
# DRAWING



| BCD TRUTH TABLE |    |    |                               |
|-----------------|----|----|-------------------------------|
| E3              | E2 | E1 | RF continuity                 |
| 0               | 0  | 0  | All ports open (Forced Reset) |
| 0               | 0  | 1  | IN ↔ 5                        |
| 0               | 1  | 0  | IN ↔ 6                        |
| 0               | 1  | 1  | IN ↔ 1                        |
| 1               | 0  | 0  | IN ↔ 2                        |
| 1               | 0  | 1  | IN ↔ 3                        |
| 1               | 1  | 0  | IN ↔ 4                        |



# LABEL



# SCHEMATIC DIAGRAM

