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ISSUE 10-04-25

SERIE : SPnT

PART NUMBER : R573812420

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           | 1.30    | 1.40     | 1.50      | 1.70      | 1.95      |
| Insertion loss max | 0.20 dB | 0.40 dB  | 0.50 dB   | 0.70 dB   | 1.00 dB   |
| Isolation min      | 80 dB   | 70 dB    | 70 dB     | 60 dB     | 55 dB     |
| Average power (*)  | 40 W    | 30 W     | 25 W      | 15 W      | 5 W       |

ELECTRICAL CHARACTERISTICS

Actuator : **NORMALLY OPEN**  
 Nominal current \*\* : 250 mA  
 Actuator voltage (Vcc) : 12V (10.2 to 13V)  
 Terminals : solder pins (250°C max. / 30 sec.)  
 Indicator rating : 1 W / 30 V / 100 mA  
 TTL inputs (E) : - High level : 2.2 to 5.5 V / 800µA at 5.5 V  
 - Low level : 0 to 0.8 V / 20µA at 0.8 V

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)

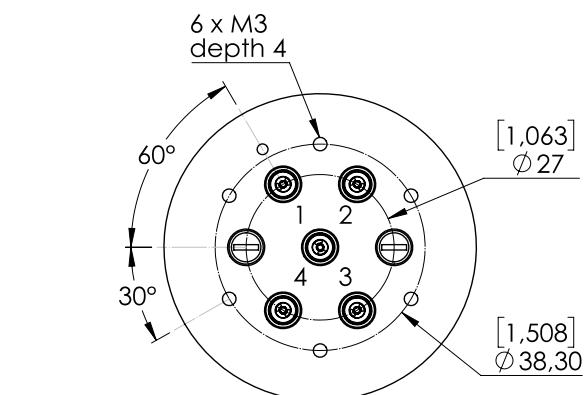


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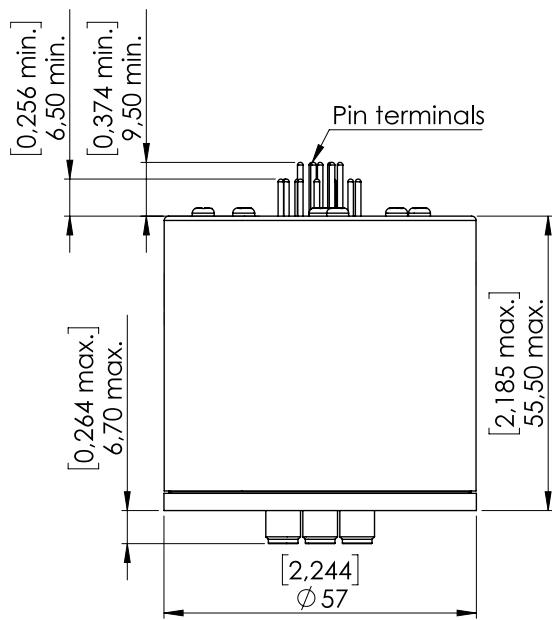
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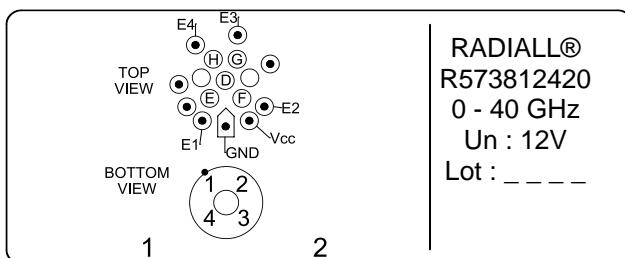
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DRAWING


| TTL input | RF Continuity | Ind. |
|-----------|---------------|------|
| E1 = 1    | IN ↔ 1        | D.E  |
| E2 = 1    | IN ↔ 2        | D.F  |
| E3 = 1    | IN ↔ 3        | D.G  |
| E4 = 1    | IN ↔ 4        | D.H  |



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

LABEL

SCHEMATIC DIAGRAM
