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ISSUE 10-04-25

SERIE : SPnT

PART NUMBER : R574813325

RF CHARACTERISTICS

Number of ways : **3**
 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 |

 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)**
 Terminals : **25 pins D-SUB male connector**
 Indicator rating : **1 W / 30 V / 100 mA**
 TTL inputs (E) : **2.2 to 5.5 V / 800µA at 5.5 V**
 - High level
 - 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 : **< 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

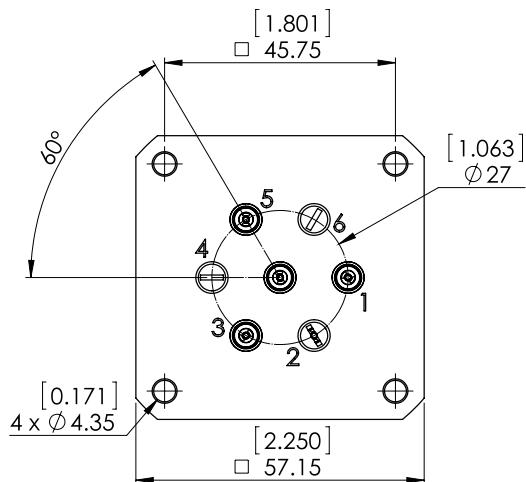


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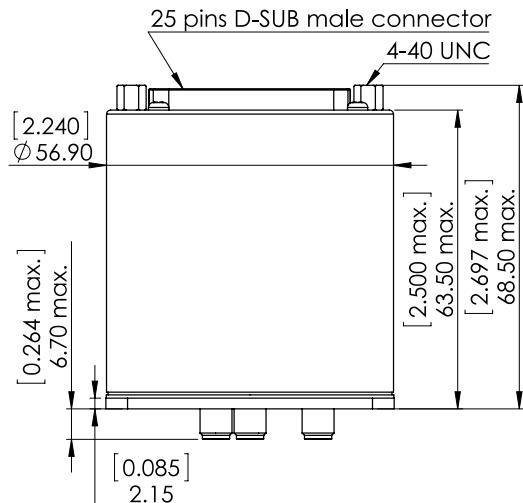
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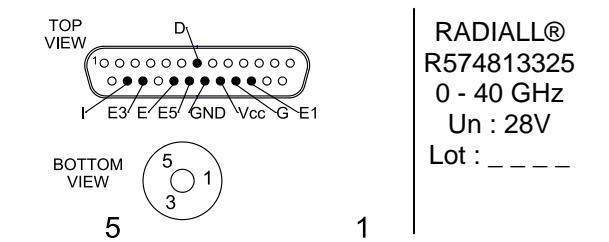
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DRAWING


| TTL input | RF Continuity | Ind. |
|-----------|---------------|------|
| E1 = 1 | IN ↔ 1 | D.G |
| E3 = 1 | IN ↔ 3 | D.I |
| E5 = 1 | IN ↔ 5 | D.E |



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

LABEL

SCHEMATIC DIAGRAM
