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ISSUE **22-03-22**

SERIE : **SPnT**

PART NUMBER : **R573403225**

## RF CHARACTERISTICS

Number of ways : **12**  
 Frequency range : **0 - 12.4 GHz**  
 Impedance : **50 Ohms**

| Frequency (GHz)    | DC - 3         | 3 - 8          | 8 - 12.4       |
|--------------------|----------------|----------------|----------------|
| VSWR max           | <b>1.20</b>    | <b>1.40</b>    | <b>1.60</b>    |
| Insertion loss max | <b>0.20 dB</b> | <b>0.40 dB</b> | <b>0.60 dB</b> |
| Isolation min      | <b>80 dB</b>   | <b>70 dB</b>   | <b>60 dB</b>   |
| Average power (*)  | <b>240 W</b>   | <b>150 W</b>   | <b>120 W</b>   |

## ELECTRICAL CHARACTERISTICS

Actuator : **NORMALLY OPEN**  
 Nominal current \*\* : **102 mA**  
 Actuator voltage (Vcc) : **28V (24 to 30V)**  
 Terminals : **44 pins D-SUB male connector**  
 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 female per MIL-C 39012**  
 Life : **2 million cycles per position**  
 Switching Time\*\*\* : **< 15 ms**  
 Construction : **Splashproof**  
 Weight : **< 400 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)



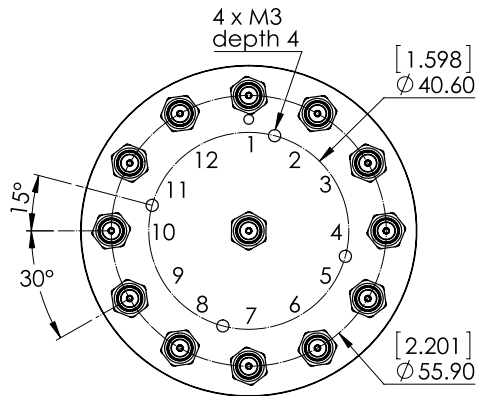
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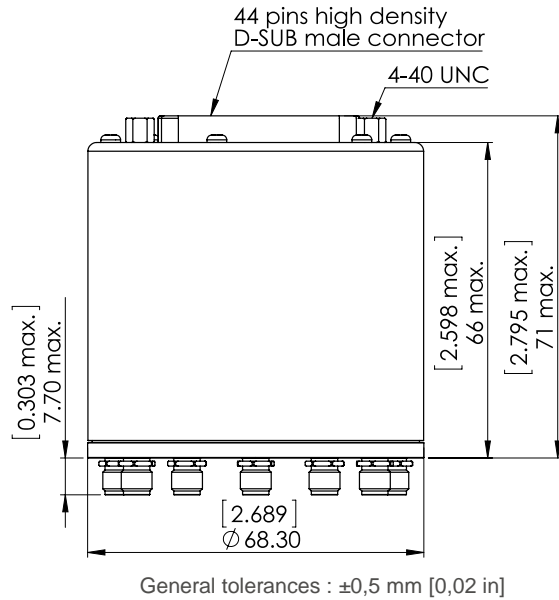
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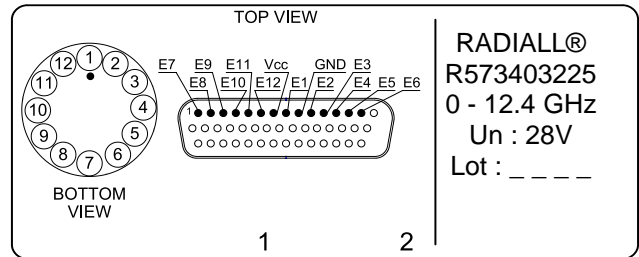
# DRAWING



| TTL input | RF Continuity |
|-----------|---------------|
| E1 = 1    | IN ↔ 1        |
| E2 = 1    | IN ↔ 2        |
| E3 = 1    | IN ↔ 3        |
| E4 = 1    | IN ↔ 4        |
| E5 = 1    | IN ↔ 5        |
| E6 = 1    | IN ↔ 6        |
| E7 = 1    | IN ↔ 7        |
| E8 = 1    | IN ↔ 8        |
| E9 = 1    | IN ↔ 9        |
| E10 = 1   | IN ↔ 10       |
| E11 = 1   | IN ↔ 11       |
| E12 = 1   | IN ↔ 12       |



## LABEL



# SCHEMATIC DIAGRAM

