

## RF CHARACTERISTICS

Number of ways : **4**  
 Frequency range : **0 - 18 GHz**  
 Impedance : **50 Ohms**

| Frequency (GHz)    | DC - 3         | 3 - 8          | 8 - 12.4       | 12.4 - 18      |
|--------------------|----------------|----------------|----------------|----------------|
| VSWR max           | <b>1.20</b>    | <b>1.30</b>    | <b>1.40</b>    | <b>1.50</b>    |
| Insertion loss max | <b>0.20 dB</b> | <b>0.30 dB</b> | <b>0.40 dB</b> | <b>0.50 dB</b> |
| Isolation min      | <b>80 dB</b>   | <b>70 dB</b>   | <b>60 dB</b>   | <b>60 dB</b>   |
| Average power (*)  | <b>240 W</b>   | <b>150 W</b>   | <b>120 W</b>   | <b>100 W</b>   |

## ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**  
 Nominal current \*\* : **250 mA**  
 Actuator voltage (Vcc) : **28V (24 to 30V)**  
 Terminals : **25 pins D-SUB male connector**  
 Indicator rating : **1 W / 30 V / 100 mA**  
 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 female per MIL-C 39012**  
 Life : **5 million cycles per position**  
 Switching Time\*\*\* : **< 40 ms**  
 Construction : **Splashproof**  
 Weight : **< 220 g**

## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-40°C to +85°C**  
 Storage temperature range : **-55°C to +85°C**

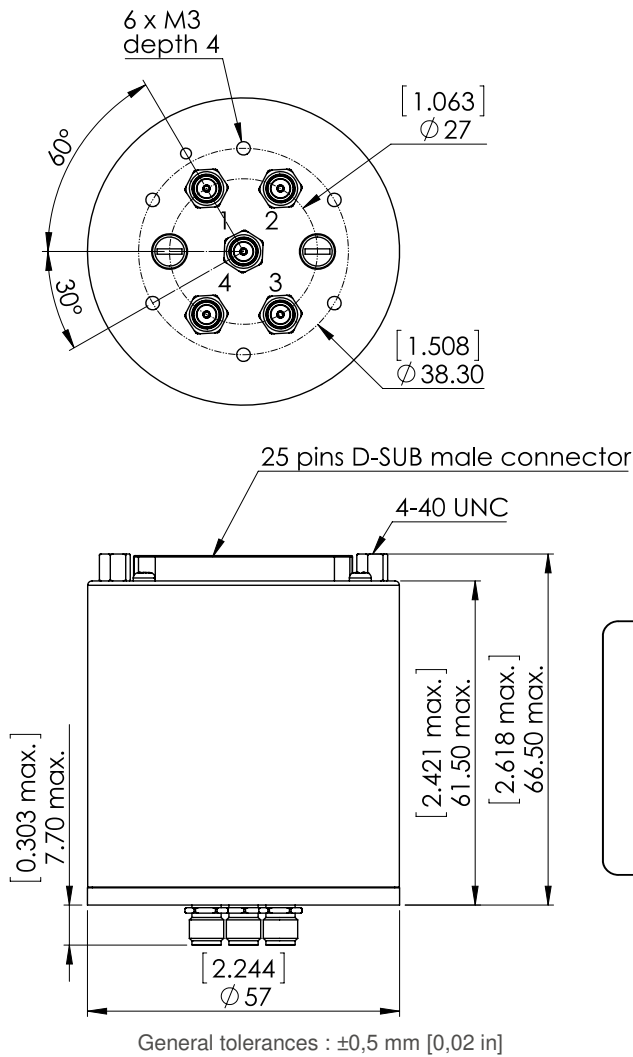
(\* Average power at 25°C per RF Path)

(\*\* At 25° C ±10%)

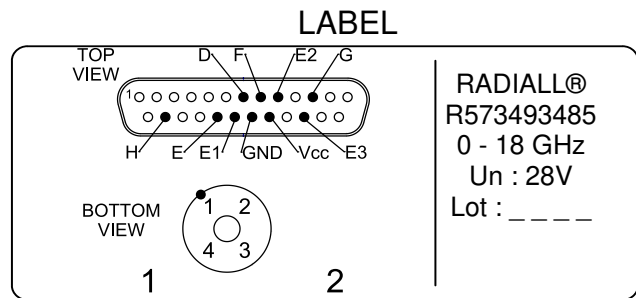
(\*\*\* Nominal voltage ; 25° C)



DRAWING



| BCD TRUTH TABLE |    |    |                               |      |
|-----------------|----|----|-------------------------------|------|
| E3              | E2 | E1 | RF continuity                 | Ind. |
| 0               | 0  | 0  | All ports open (Forced Reset) | --   |
| 0               | 0  | 1  | IN ↔ 1                        | D.E  |
| 0               | 1  | 0  | IN ↔ 2                        | D.F  |
| 0               | 1  | 1  | IN ↔ 3                        | D.G  |
| 1               | 0  | 0  | IN ↔ 4                        | D.H  |



SCHEMATIC DIAGRAM

